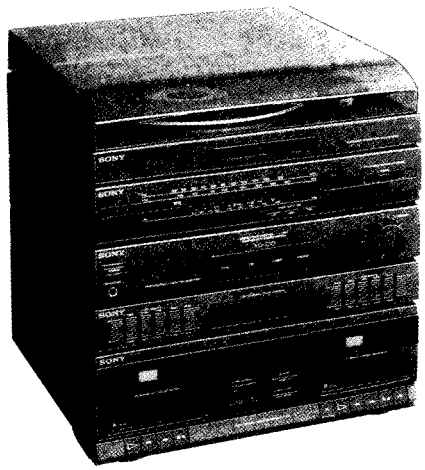
XO-D10S

SERVICE MANUAL

West Germany Model
Italian Model



Model Name Using	DECK A: XO-D20CD/D20S
Similar Mechanism	DECK B: XO-D20CD/D20S
Tape Transport	DECK A: TCM-YM47W39
Mechanism Type	DECK B: TCM-YM47W39

SPECIFICATIONS

XO-D10S

System — FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range — 87.5 to 108 MHz
Antenna terminals — 75 ohms unbalanced

MW/LW tuner section

	MW	LW
Tuning range	531 - 1,602 kHz (except Italy) 522 - 1,611 kHz (for Italy)	153 - 281 kHz (except Italy) 144 - 288 kHz (for Italy)
Tuning range	531 to 1,602 kHz	153 to 281 kHz
Antenna	AM loop antenna, External antenna terminal	
Intermediate frequency	450 kHz	

Amplifier section

Continuous RMS power output
20 W + 20 W
(6 ohms, at 1 kHz 10% THD)

Inputs

Jacks	Jack type	Sensitivity	Impedance
CD IN	Phono	200 mV	47 kohms

Frequency response
CD: 15 Hz to 50 kHz $^{+0}_{-3}$ dB

Cassette deck section

Recording system — 4-track 2-channel stereo
Frequency response — DOLBY NR OFF
With TYPE II cassette (Sony UX-S)
60 Hz to 14 kHz (±3 dB)
With TYPE I cassette (Sony HF-S)
60 Hz to 13 kHz (±3 dB)

General

Power requirements — 220 V AC, 50 Hz
Power consumption — 55 W
Weight — Approx. 7.5 kg (16 lb 9 oz) net
Dimensions — Approx 355 × 372 × 350 mm (w/h/d)
(14 × 14 3/4 × 13 7/8 inches)
incl. projecting parts and controls

Turntable section

Platter — 30 cm (12 in.)
Tonearm type — Dynamically balanced
Cartridge type — Moving magnet type
Stylus — Sony ND-155G (0.6 mil diamond)

Accessories supplied

AM loop antenna (1)
FM antenna wire

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

MICROFILM

COMPACT HI-FI STEREO SYSTEM

SONY®

TABLE OF CONTENTS

Section	Title	Page
	Specification	1
SECTION 1.	GENERAL	
	Location and Function of Parts and Controls	3
SECTION 2.	DISASSEMBLY	4
SECTION 3.	ADJUSTMENTS	
	3-1. Mechanical Adjustments	6
	3-2. Electrical Adjustments	6
SECTION 4.	DIAGRAMS	11
	4-1. Printed Wiring Board (1) -Amp and Power-Supply Section-	11
	4-2. Schematic Diagram (1) -Amp and Power-Supply Section-	15
	4-3. Printed Wiring Board (2) -Tuner Section-	19
	4-4. Schematic Diagram (2)	21
SECTION 5.	EXPLODED VIEWS	25
SECTION 6.	ELECTRICAL PARTS LIST	28

SAFETY-RELATED COMPONENT WARNING!!

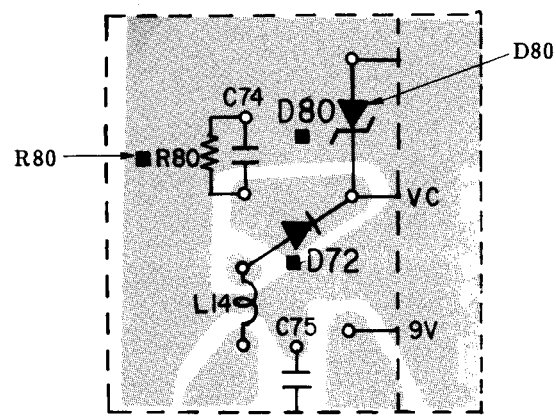
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Note on Front Panel Replacement

For the West Germany model's front panel with serial Nos. 500001 through 503000, the scale of a repair front panel's scale plate is different. Therefore, front panl replacement causes a scale deviation.
When replacing the above front panel, take measures below.

1. Remove D80 and R80 on the front end board.

West Germany
Serial Nos. 500001 through 503000

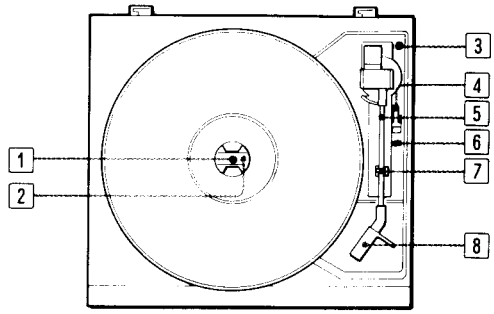


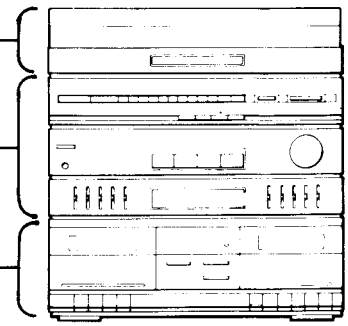
2. Make an FM frequency coverage adjustment under the condition below.

SG frequency	Pointer	Adjustment point
87.35MHz	Fmin	RT72
108.25MHz	Fmax	RT71

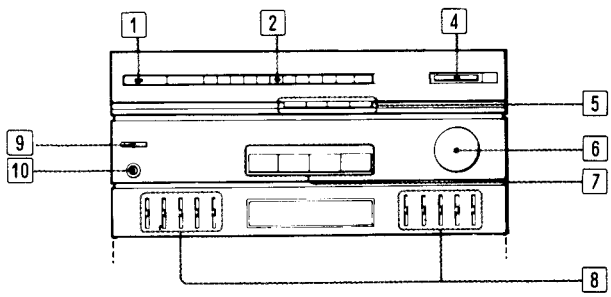
SECTION 1
GENERAL

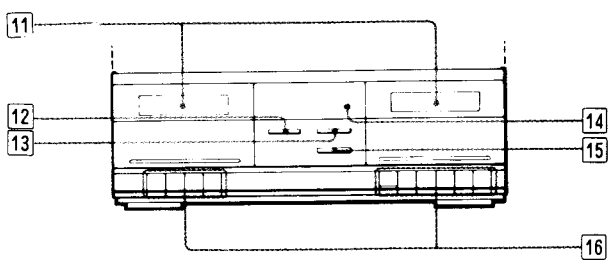
LOCATION AND FUNCTION OF PARTS AND CONTROLS





Record player
1 Center spindle
2 45-rpm adaptor
3 Transit screw
4 Cueing lever
5 Tone arm
6 Speed selector
7 Arm rest
8 Cartridge





Tuner section
1 FM STEREO indicator
2 Dial scale and pointer
4 Tuning knob
5 BAND SELECTORs
FM, MW, LW

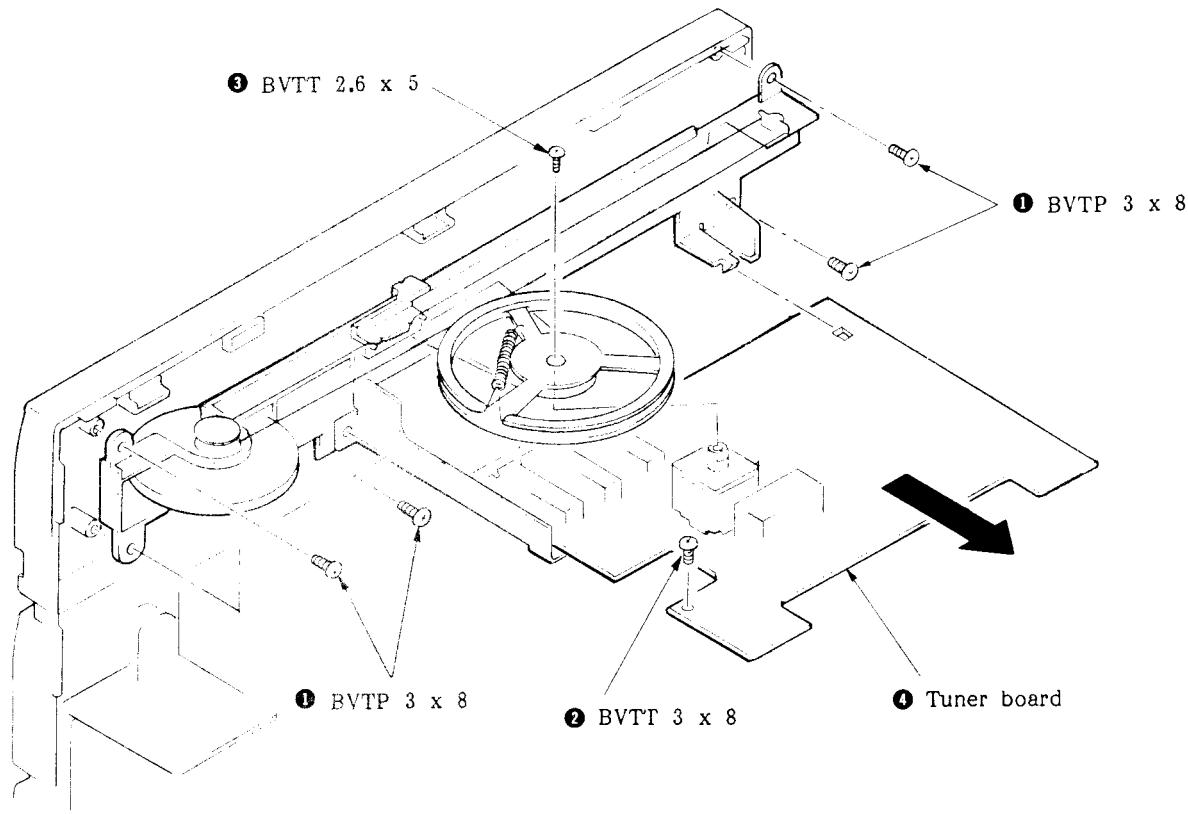
Amplifier section
6 VOLUME control
7 FUNCTION selectors
8 Graphic equalizer controls (left and right)
9 POWER switch
10 HEADPHONES jack (stereo phone)

Cassette deck section
11 Cassette holders
12 DUBBING speed selector
13 DOLBY NR * (Noise Reduction) switch
14 RECORD indicator
15 TAPE SELECT switch
16 Tape operation buttons
● Record (deck B only)
▷ Forward
◀◀ Rewind
▶▶ Fast forward
■ ⏏ Stop/eject
❚❚ Pause (deck B only)

SECTION 2
DISASSEMBLY

. Remove the board player and case (L, R). (ten screws)

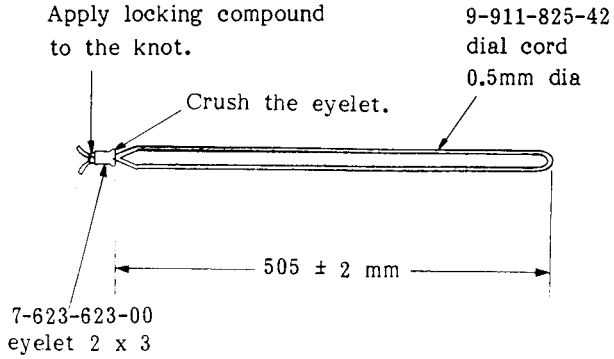
TUNER BOARD

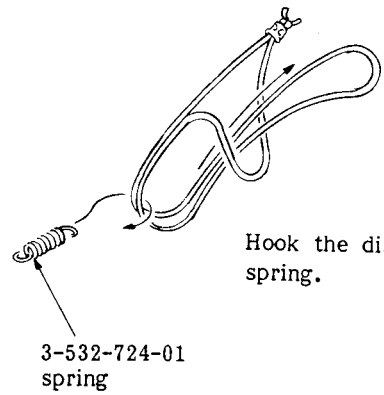


DIAL CORD STRINGING

. Remove tuner board. (Refer to page 4 .)

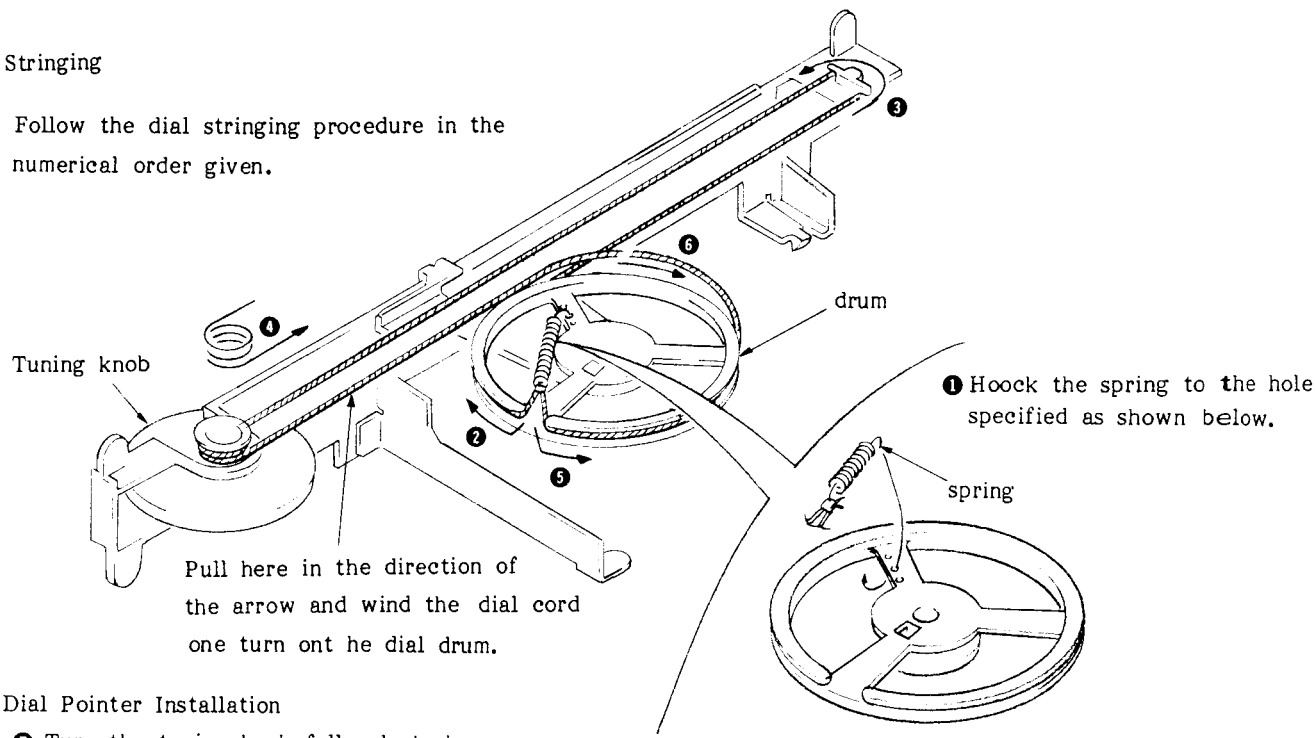
1) Preparation





2) Stringing

Follow the dial stringing procedure in the numerical order given.



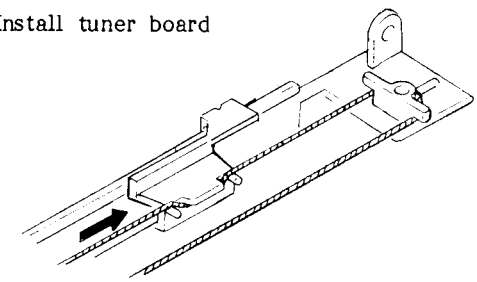
3) Dial Pointer Installation

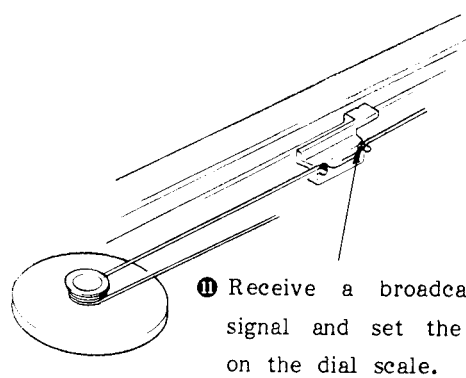
❼ Turn the tuning knob fully clockwise.

❽ Set the dial pointer fully in the direction of the arrow and string the dial pointer.

❾ Turn the tuning capacitor shaft fully counterclickwise (MIN) and set the tuning capacitor shaft in the dial drum.

❿ Install tuner board





⓫ Receive a broadcasting station signal and set the dial pointer on the dial scale. After setting the dial pointer, apply locking compound.

SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS
PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback heads	pinch rollers
erase heads	rubber belts
capstan	idlers

2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torquement	Meter reading
FWD	CQ-102C	30 – 70 g·cm (0.42 – 0.97 oz·inch)
FWD Back tension	CQ-102C	1.5 – 5.5 g·cm (0.020 – 0.076 oz·inch)
FF, REW	CQ-201B	63 g·cm or more 0.87 oz·inch)

3-2. ELECTRICAL ADJUSTMENTS

0dB = 0.775V (AF)
0dB = 0.1μV (RF)

CASSETTE DECK SECTION

1. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

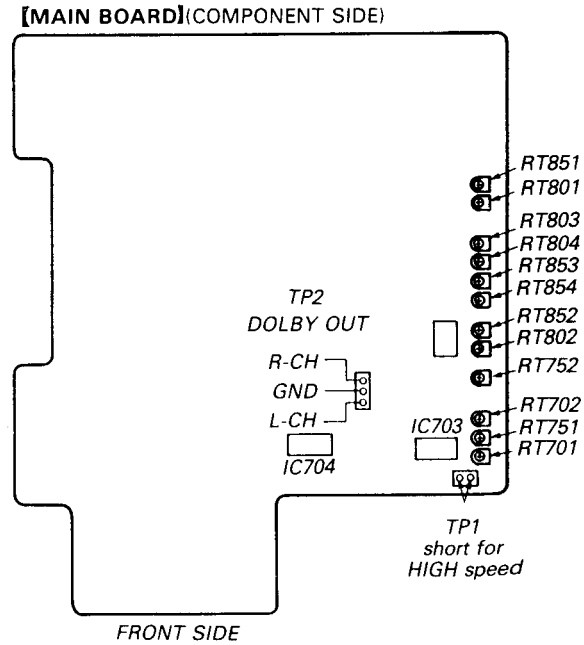
- Switches and controls should be set as follows unless otherwise specified.

  DOLBY NR switch: OFF
  TAPE SELECT switch: TYPE I

Type	Signal	Used for
P-4-A063	6.3kHz, – 10dB	Azimath Adjustment
P-4-L300	315Hz, 0dB	PB Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

Adjustment Location:

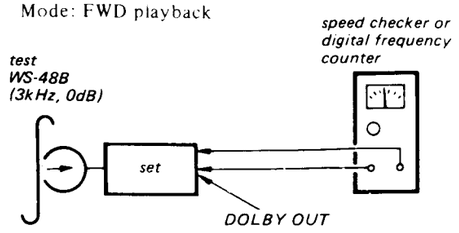
[MAIN BOARD](COMPONENT SIDE)



Tape Speed Adjustment

Procedure:

Mode: FWD playback



1. Short TP1 with a lead wire.

Specification: high speed

Digital frequency counter
5,950 Hz – 6,010 Hz

Frequency difference between the beginning and the end of the tape should be within 0.25% (15 Hz).

Adjustment location:
DECK-A side RT803
DECK-B side RT853

2. Remove the wire in step 1.

Specification: normal speed

Digital frequency counter
2,970 Hz – 2,990 Hz

Frequency difference between the beginning and the end of the tape should be within 0.25% (15 Hz).

Adjustment location:
DECK-A side RT804
DECK-B side RT854

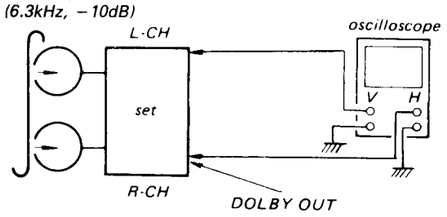
3. If the specifications are not satisfied, repeat steps 1 and 2.

Record/Playback Head Azimuth Adjustment

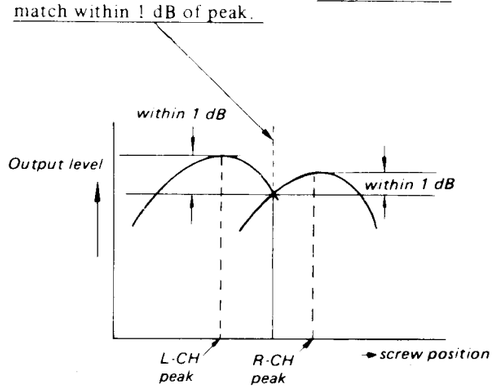
Note: Perform this adjustments for both decks.

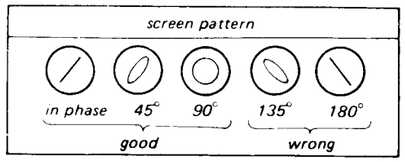
Procedure:

1. Mode: FWD playback



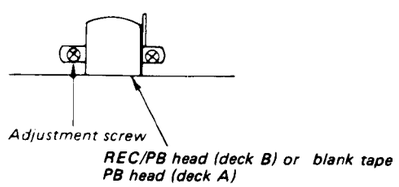
2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.





3. After the adjustments, apply suitable locking compound to the parts adjusted.

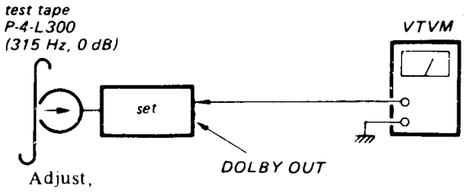
Adjustment Location:



Playback Level Adjustment

Procedure:

Mode: FWD playback



Adjust,
DECK-A side RT701 (L-CH), RT751 (R-CH)
DECK-B side RT702 (L-CH), RT752 (R-CH)
so that the specifications are satisfied.

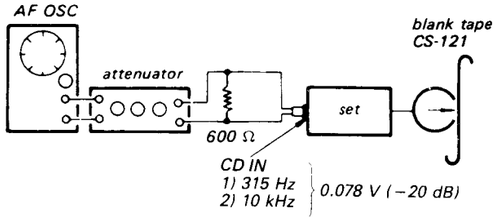
Specification:
DOLBY OUT level: 0.58 to 0.65 V
(–2.5 to –1.5dB)
level difference between the channels:
within 0.5 dB

Adjustment Location: Main board (See page 6.)

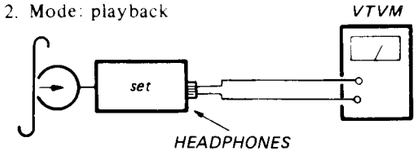
Record BIAS Current Adjustment

Procedure:

1. Mode: record



2. Mode: playback



(1) Supply a –20dB signal (315 Hz) from the CD IN. Adjust the VOLUME control so that a –30dB signal is output to the headphones terminal.
(2) Insert alignment tape CS-121 into deck B and put the set into the REC mode.
(3) Adjust the signal frequency to 10 kHz.
(4) Put the set into the PB mode and adjust RT802 (L CH) and RT852 (R CH) in the REC mode so that the level difference between 315 Hz and 10 kHz is within 0 ±0.5 dB.
(5) Repeatedly put the set into the REC and PB modes two to four times and adjust the bias.

Specification:
The HEADPHONES level of 10 kHz signal relative to that of 315 Hz: 0 dB ± 0.5 dB

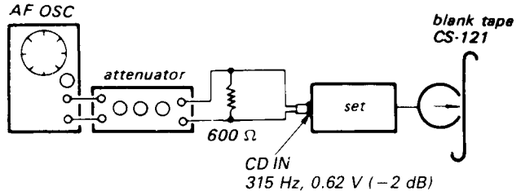
Adjustment Location: Main board (See page 6.)

Record Level Adjustment

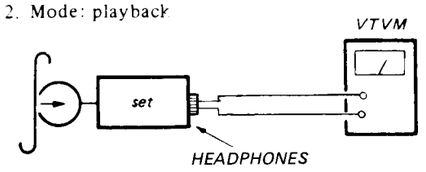
Setting:
TAPE SELECT: TYPE I

Procedure:

1. Mode: record



2. Mode: playback



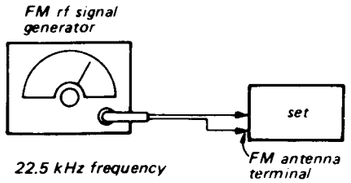
(1) Supply a –2 dB signal (315 Hz) from the CD terminal. Adjust the volume control so that a –10 dB signal is output to the headphones terminal.
(2) Insert alignment tape CS-121 into deck B and put the set into the REC. Put the set into the PB mode and adjust volume control RT801 (L CH) and RT851 (R CH) in the REC mode so that the –10 dB signal is output to the headphones terminal.

Specification:
HEADPHONES level: –10 dB ± 0.5 dB

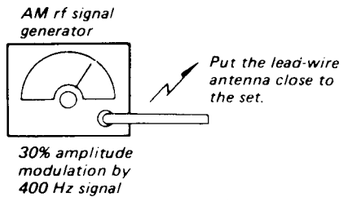
Adjustment Location: Main board (See page 6.)

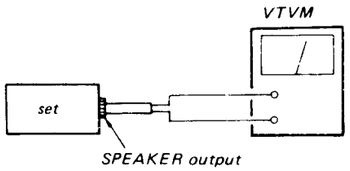
TUNER SECTION

• FM SECTION


FM rf signal generator
set
FM antenna terminal
22.5 kHz frequency deviation by 1 kHz signal
Output level: as low as possible

• AM SECTION


AM rf signal generator
Put the lead-wire antenna close to the set.
30% amplitude modulation by 400 Hz signal
Output level: as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	87.35 MHz	RT72	maximum
f maximum	108.25 MHz	RT71	
*102 MHz	*102 MHz	*RT71	

*WEST GERMANY (SERIAL NO.500001—503000)
*For altering the front panel, refer to page 2.

MW Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	514 kHz	L8	maximum
f maximum	1,634 kHz	CT4	

MW Tracking Adjustment

SG and set frequency	Adjustment part	Reading on VTVM
600 kHz	L7	maximum
1,400 kHz	CT3	

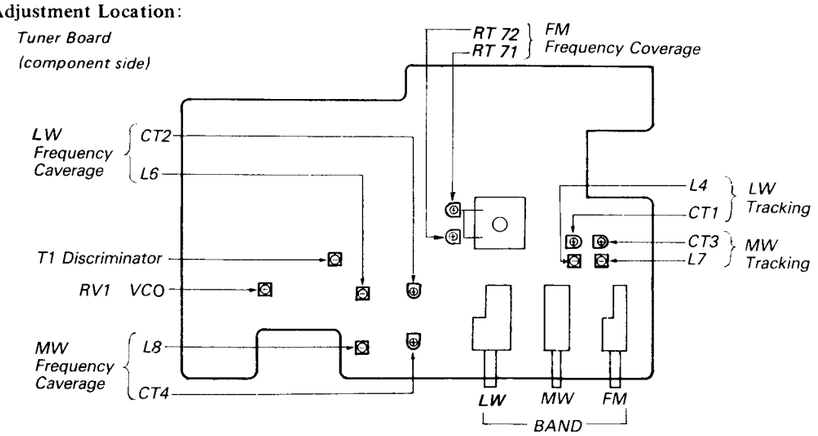
LW Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	136 kHz	L6	maximum
f maximum	296 kHz	CT2	

LW Tracking Adjustment

SG and set frequency	Adjustment part	Reading on VTVM
170 kHz	L4	maximum
270 kHz	CT1	

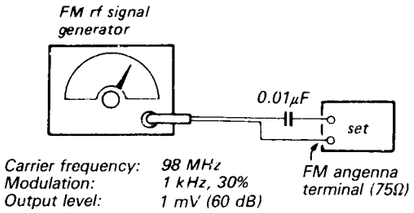
Adjustment Location:

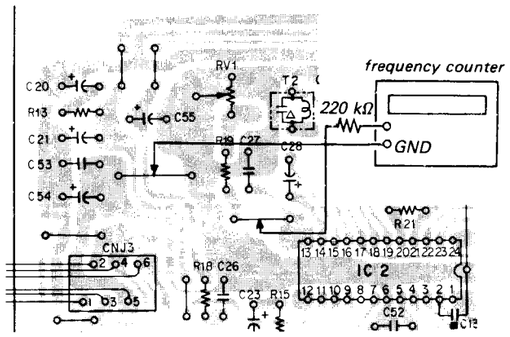


VCO Adjustment

A) Regular Method

Procedure:



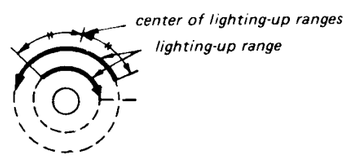


1. Tune the set to 98 MHz.
2. Adjust RV1 for 76 kHz ± 40 Hz on the counter.

B) Simple Method

Procedure:

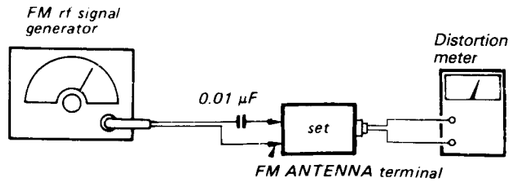
1. Tune the set to the FM stereo broadcasting signal.
2. Turn RV1 clockwise or counterclockwise and memorize the lighting-up range of the stereo lamp.
3. Secure RV1 at the center of the lighting-up range of both turns as shown below.



FM Discriminator Alignment

Setting:
BAND SELECTOR switch: FM

Procedure:



Carrier frequency: 98 MHz
Output level: 1 mV (60 dB)
Modulation: 1 kHz, 75 kHz deviation

1. Tune the set to 98 MHz.
2. Adjust T1 for a minimum reading on the distortion meter.

Note: When the ceramic filter is replaced, these adjustments should be made.

Adjustment Location: Tuner Board (See page 9.)

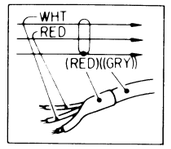
SECTION 4
DIAGRAMS

4-1. PRINTED WIRING BOARDS (1)

- AMP AND POWER-SUPPLY SECTION -

Note:

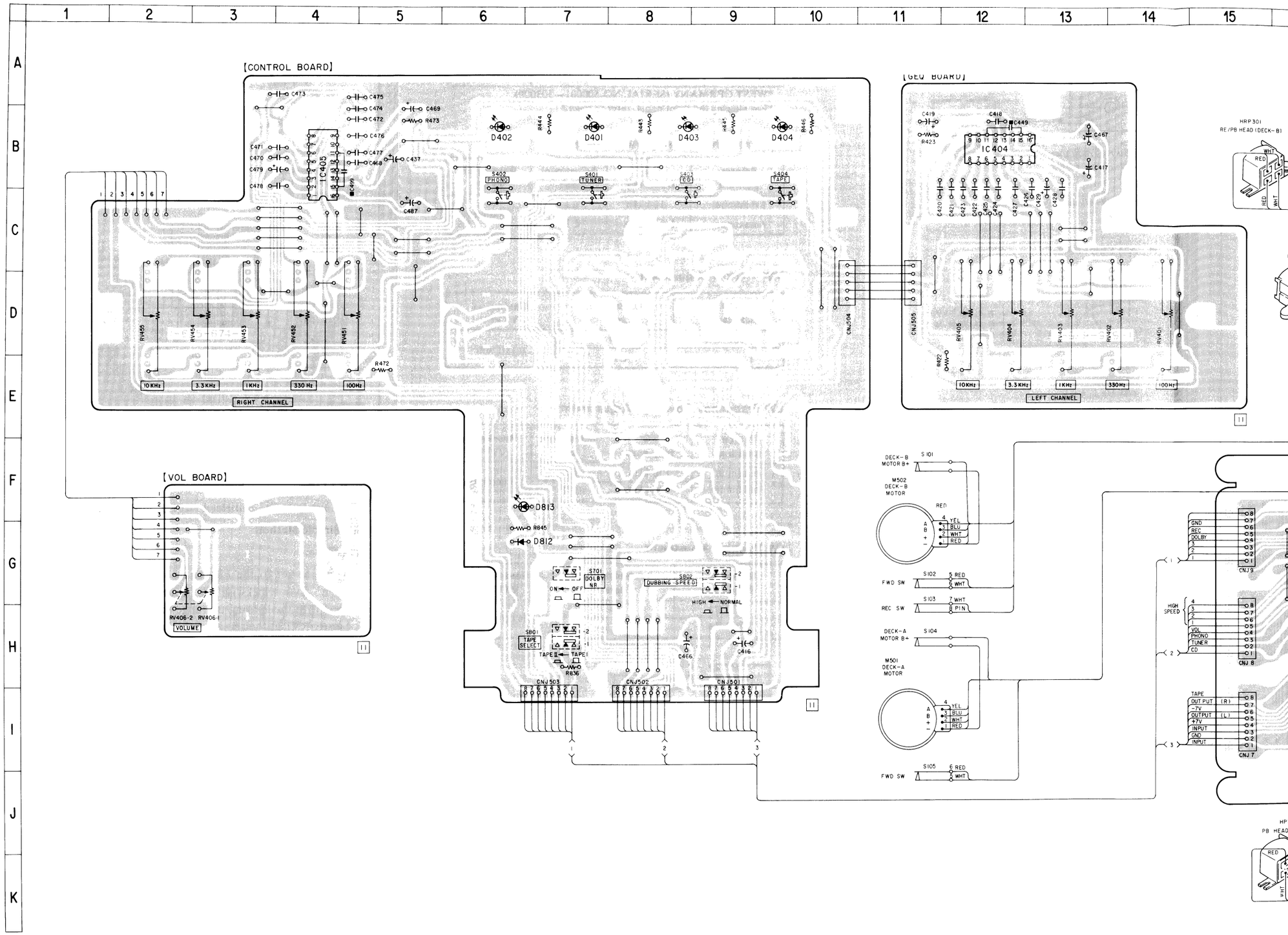
- Color code or sleeving over the end of the jacket.



- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ⊡ indicates side identified with part number.

. Semiconductor location

Ref. No.	Location	Ref. No.	Location
IC401	B-24	Q810	F-18
IC402	D-25	Q851	A-23
IC403	E-24	Q855	E-21
IC404	B-12	D401	B-7
IC405	B-4	D402	B-6
IC501	J-21	D403	B-8
IC701	I-17	D404	B-9
IC702	B-18	D405	C-24
IC703	B-18	D406	C-24
IC704	E-18	D506	H-19
IC801	C-23	D601	H-23
IC802	E-22	D602	H-24
IC803	E-21	D607	I-24
IC804	E-20	D612	I-24
IC805	F-19	D614	I-26
Q401	D-24	D615	I-25
Q402	C-23	D801	G-16
Q403	C-23	D802	G-16
Q404	D-25	D803	B-20
Q451	E-24	D804	F-20
Q601	J-23	D805	F-21
Q602	I-24	D806	E-20
Q603	J-23	D807	E-20
Q604	I-23	D808	E-19
Q605	J-24	D809	E-19
Q607	J-26	D810	E-19
Q615	I-24	D811	E-20
Q616	I-23	D812	G-6
Q701	D-18	D813	F-6
Q703	C-19		
Q751	D-18		
Q753	D-19		
Q801	A-22		
Q802	C-21		
Q803	C-21		
Q804	C-21		
Q805	D-22		
Q806	F-19		
Q807	D-20		
Q808	D-20		



14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

【MAIN BOARD】

HRP301
RE/PB HEAD (DECK-B)

HE301 (DECK-B)

PB HEAD (DECK-A)

TP1 (HI SPEED)

TP2 (DOLBY NR)

CNJ5 CNJ6 CNJ7 CNJ8 CNJ9

IC701 IC702 IC703 IC704 IC801 IC802 IC803 IC804 IC805 IC401 IC402 IC403 IC501

Q701 Q702 Q703 Q704 Q801 Q802 Q803 Q804 Q805 Q806 Q807 Q808 Q809 Q401 Q402 Q403 Q404 Q451 Q501 Q601 Q602 Q603 Q604 Q605

D801 D802 D803 D804 D805 D806 D807 D808 D809 D810 D506 D601 D602 D607 D614 D615

CNJ101 CNJ13 CNJ14

CHASSIS

TO CNJ 3 TUNER BOARD

CARTRIDGE

PLAYER MOTOR SW S106

M3 PLAYER MOTOR

【HP BOARD】

HEADPHONES CNJ 403

PT901 POWER TRANSFORMER

TM501 SPEAKER

【FUSE BOARD】

S901 POWER

CNP901 AC IN

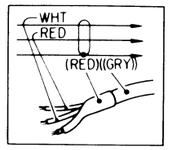
SECTION 4
DIAGRAMS

4-1. PRINTED WIRING BOARDS (1)

- AMP AND POWER-SUPPLY SECTION -

Note:

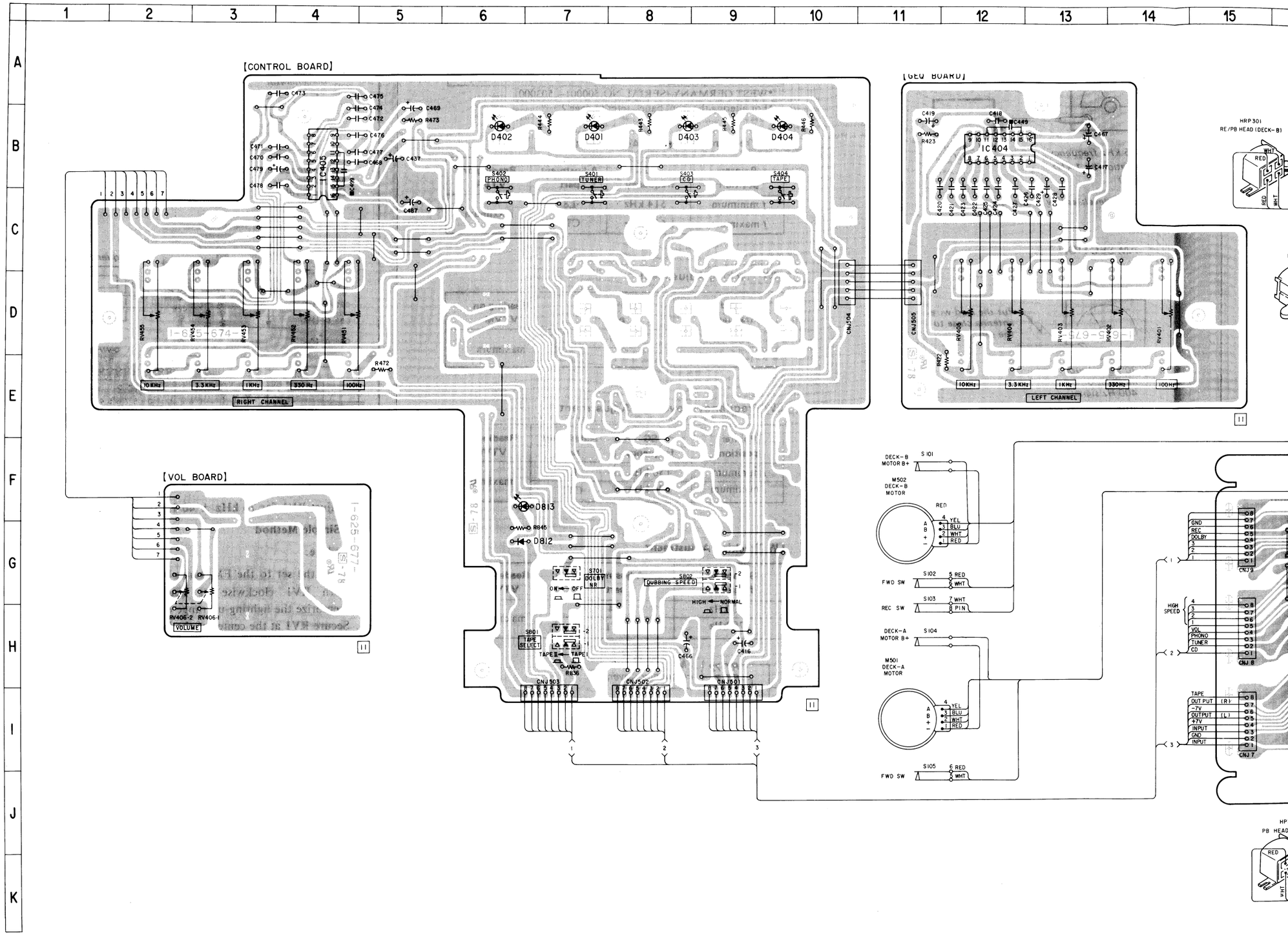
- Color code or sleeving over the end of the jacket.



- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ⊡ indicates side identified with part number.

. Semiconductor location

Ref. No.	Location	Ref. No.	Location
IC401	B-24	Q810	F-18
IC402	D-25	Q851	A-23
IC403	E-24	Q855	E-21
IC404	B-12	D401	B-7
IC405	B-4	D402	B-6
IC501	J-21	D403	B-8
IC701	I-17	D404	B-9
IC702	B-18	D405	C-24
IC703	B-18	D406	C-24
IC704	E-18	D506	H-19
IC801	C-23	D601	H-23
IC802	E-22	D602	H-24
IC803	E-21	D607	I-24
IC804	E-20	D612	I-24
IC805	F-19	D614	I-26
Q401	D-24	D615	I-25
Q402	C-23	D801	G-16
Q403	C-23	D802	G-16
Q404	D-25	D803	B-20
Q451	E-24	D804	F-20
Q601	J-23	D805	F-21
Q602	I-24	D806	E-20
Q603	J-23	D807	E-20
Q604	I-23	D808	E-19
Q605	J-24	D809	E-19
Q607	J-26	D810	E-19
Q615	I-24	D811	E-20
Q616	I-23	D812	G-6
Q701	D-18	D813	F-6
Q703	C-19		
Q751	D-18		
Q753	D-19		
Q801	A-22		
Q802	C-21		
Q803	C-21		
Q804	C-21		
Q805	D-22		
Q806	F-19		
Q807	D-20		
Q808	D-20		



14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

【MAIN BOARD】

HRP301
RE/PB HEAD (DECK-B)

HE301 (DECK-B)

CNJ5
1 WHT
2 RED
3 BLK
4 RED
5 WHT

TP1 (HI SPEED)

TP2 (DOLBY NR)

CNJ3
L
CD
R

TO CNJ3 TUNER BOARD

CNJ101

(CHASSIS)

BLU
RED
BLK
RED
WHT
(BLK)
(BLK)
(BLK) ((BLK))

CATRIDGE

PLAYER MOTOR SW
S106

M3
PLAYER MOTOR

【HP BOARD】

CNJ 506
RED
R585
R479
R535
R429

HEADPHONES
CNJ 403

CNJ9
GND
REC
DOLBY
3
2
1

CNJ 8
HIGH SPEED
4
3
2
1
VOL
PHONO
TUNER
CD

CNJ 7
TAPE
OUT PUT (R)
+7V
OUTPUT (L)
+7V
INPUT
GND
INPUT

CNP6
WHT

HP301
PB HEAD (DECK-A)
RED
WHT
(BLK)(BRN)

(CHASSIS)

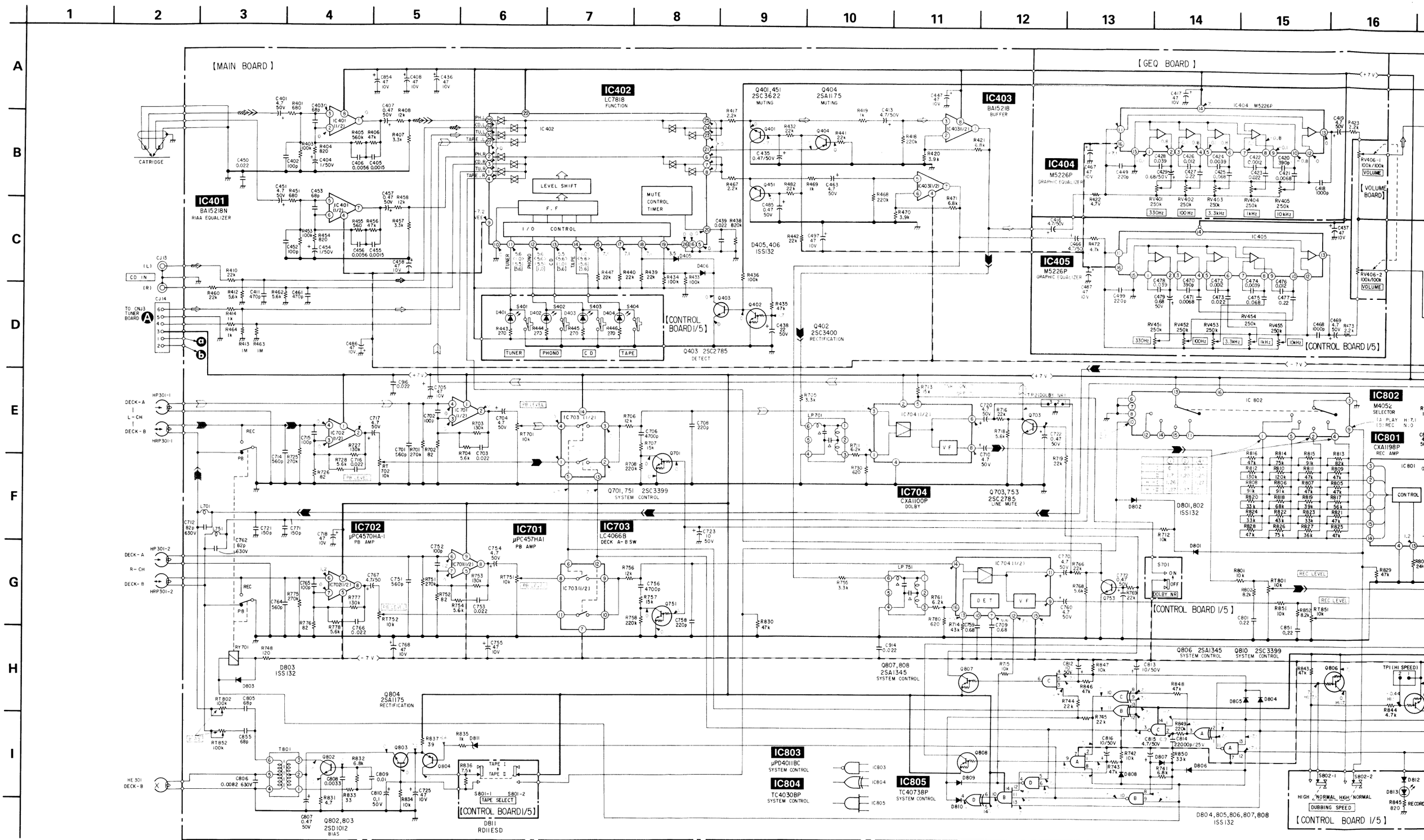
PT901
POWER TRANSFORMER

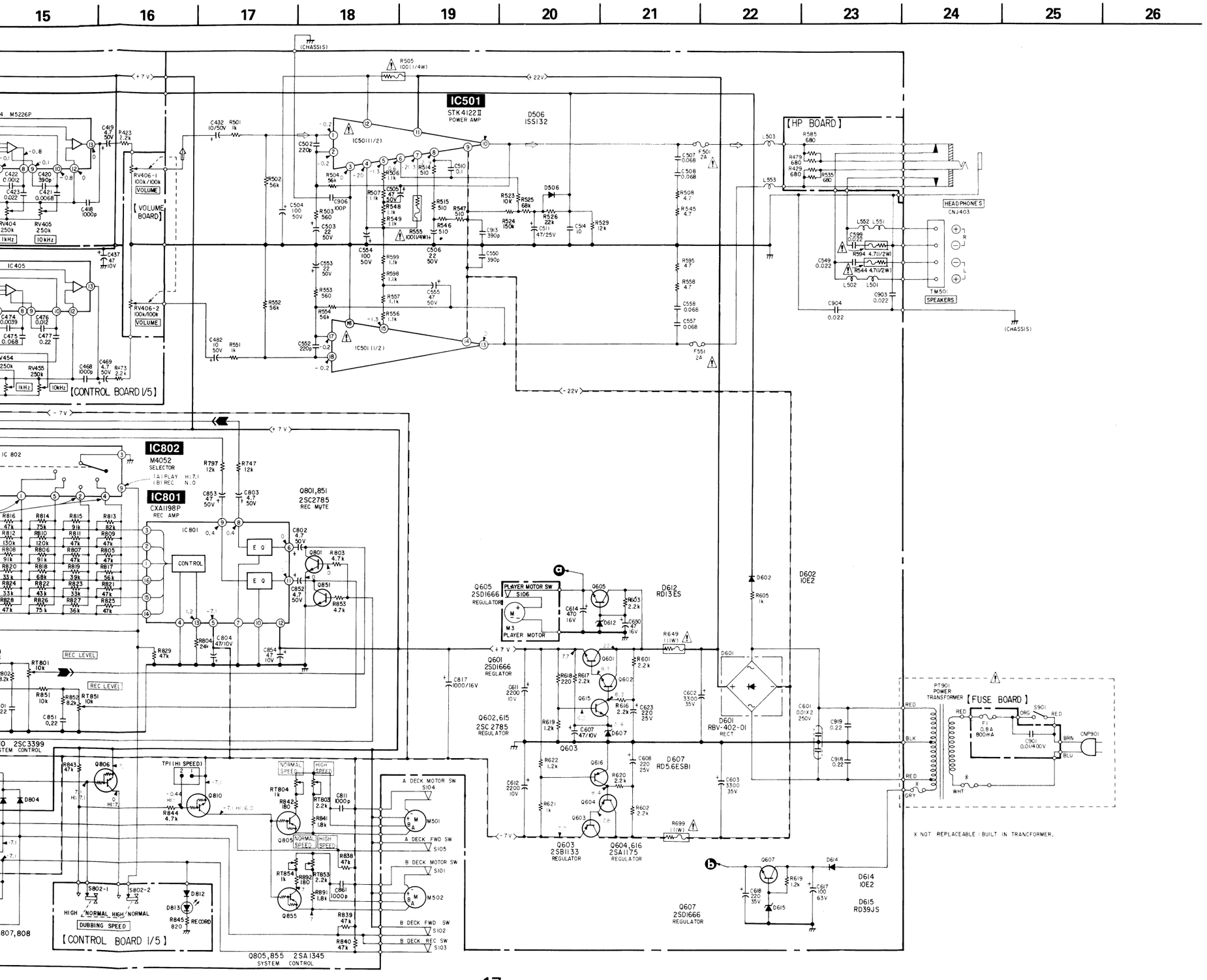
TM501
R
SPEAKER
L

【FUSE BOARD】

S901
POWER
ON
OFF
ORG
RED
F1
C901
RED
WHT
BLU
BRN
CNP901
AC IN

4-2. SCHEMATIC DIAGRAM (1) -AMP AND POWER-SUPPLY SECTION-





Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ⏦ : fusible resistor.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Switches:

Ref. No.	Switch	Position
S101	LEAF SW (B-DECK MOTOR)	OFF
S102	LEAF SW (B-DECK FWD)	OFF
S103	LEAF SW (B-DECK REC)	OFF
S104	LEAF SW (A-DECK MOTOR)	OFF
S105	LEAF SW (A-DECK FWD)	OFF
S106	LEAF SW (PLAYER MOTOR)	OFF
S401	TUNER	OFF
S402	PHONO	OFF
S403	CD	OFF
S404	TAPE	OFF
S701	DOLBY NR	OFF
S801	TAPE SELECT	TAPE 1
S802	DUBBING SPEED	NORMAL
S901	POWER	OFF

- ▬▬ : B+ Line
- ▬ ▬ : B− Line
- ▭ : adjustment for repair.
- Total current is measured with no cassette installed.
- Voltage and waveforms are dc with respect to ground under no-signal conditions
  - no mark : TAPE
  - ( ) : CD
  - < > : TUNER
  - [ ] : PHONO
- Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances
- Signal path.
  - ⇨ : RADIO
  - ⇨ : PB (DECK A)
  - ⇨ : PB (DECK B)
  - ⇨ : REC (DECK B)
  - ⇨ : CD
  - ⇨ : PHONO

4-3. PRINTED WIRING BOARDS (2) -TUNER SECTION-

Note:

- ○—— : parts extracted from the component side.
- ⊡ indicates side identified with part number.
- ■ : parts mounted on the conductor side.

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- Switch with sliding contact indicated by hatched lines shows shorting type.

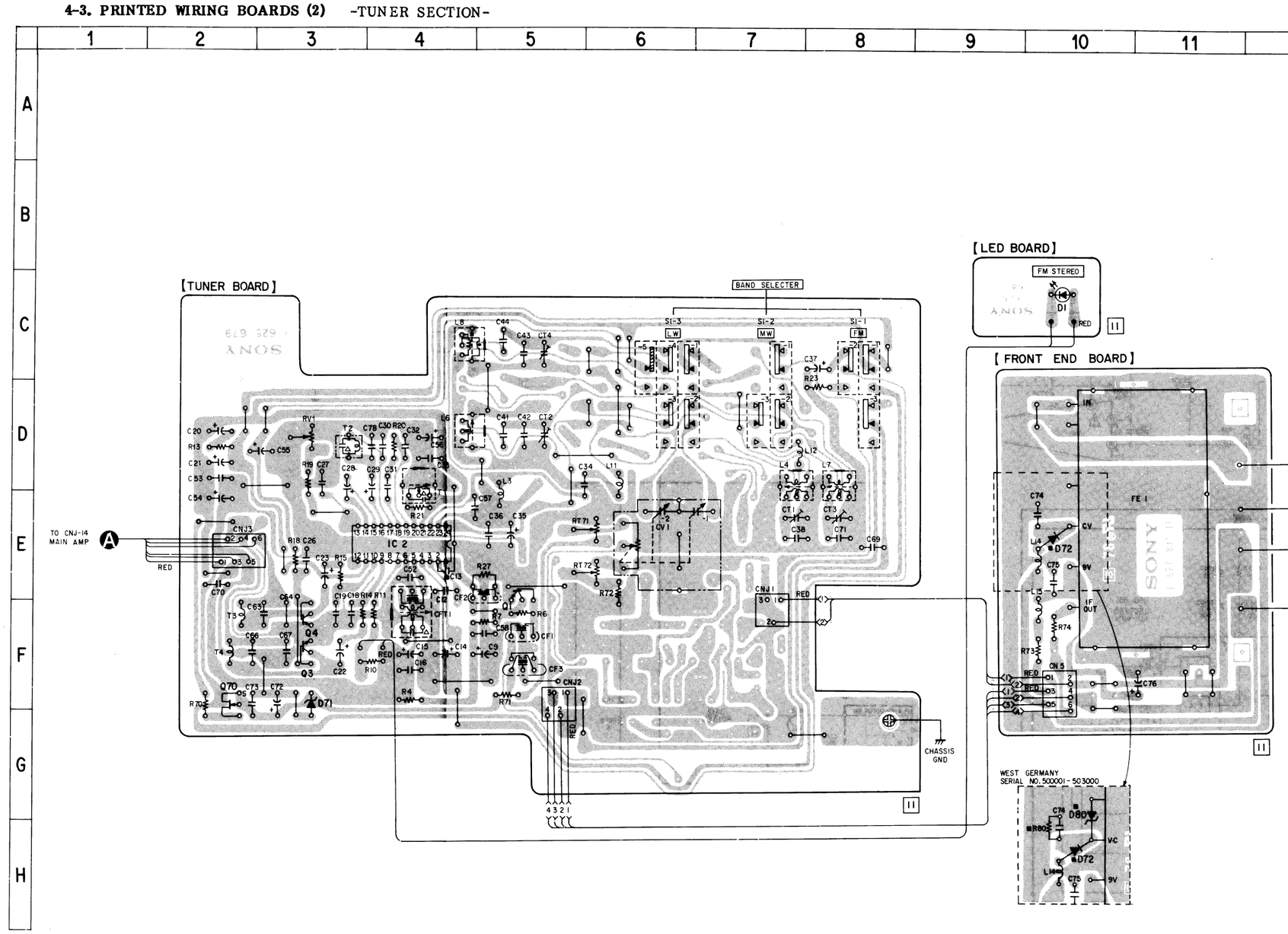
Switches:

Ref. No.	Swith	Position
S1-1-1 | -3	FM	OFF
S1-2-1 | -3	MW	OFF
S1-3-1 | -4	LW	OFF
S1-3-5	MUTING	OFF

- ▬▬ : B+ Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM
  ( ) : MW
- Signal path.
  ⇨ : FM
  ➡ : MW
  ⇨ : LW

Semiconductor location

Ref. No.	Location
IC2	C-4
Q1	D-5
Q3	D-3
Q4	D-3
Q70	E-2
D1	A-10
D71	E-3
D72	C-10
D80	F-10



4-3. PRINTED WIRING BOARDS (2) -TUNER SECTION-

Note:

- ○—— : parts extracted from the component side.
- [ ]→ indicates side identified with part number.
- ■ : parts mounted on the conductor side.

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- Switch with sliding contact indicated by hatched lines shows shorting type.

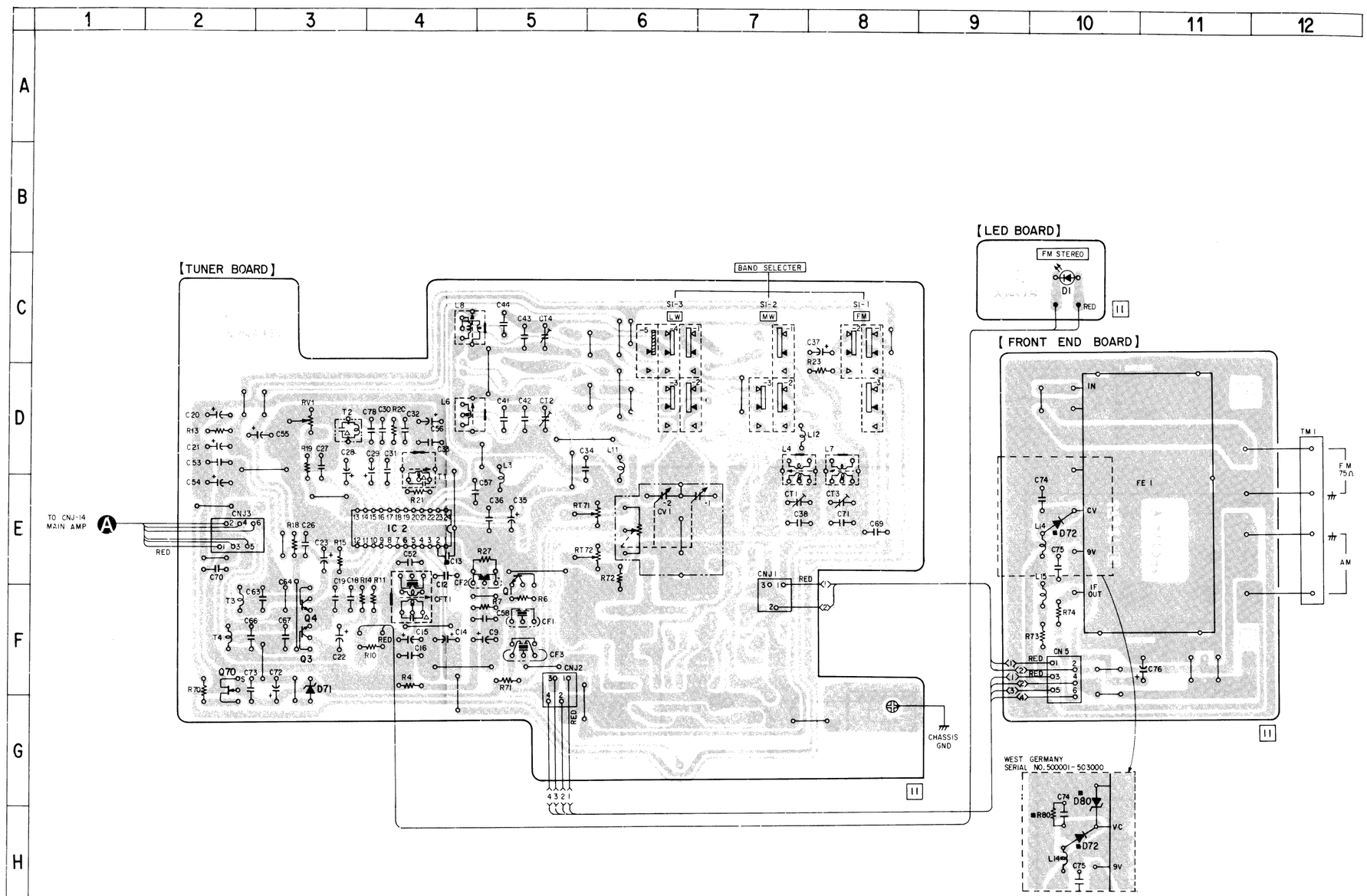
Switches:

Ref. No.	Swith	Position
S1-1-1 | -3	FM	OFF
S1-2-1 | -3	MW	OFF
S1-3-1 | -4	LW	OFF
S1-3-5	MUTING	OFF

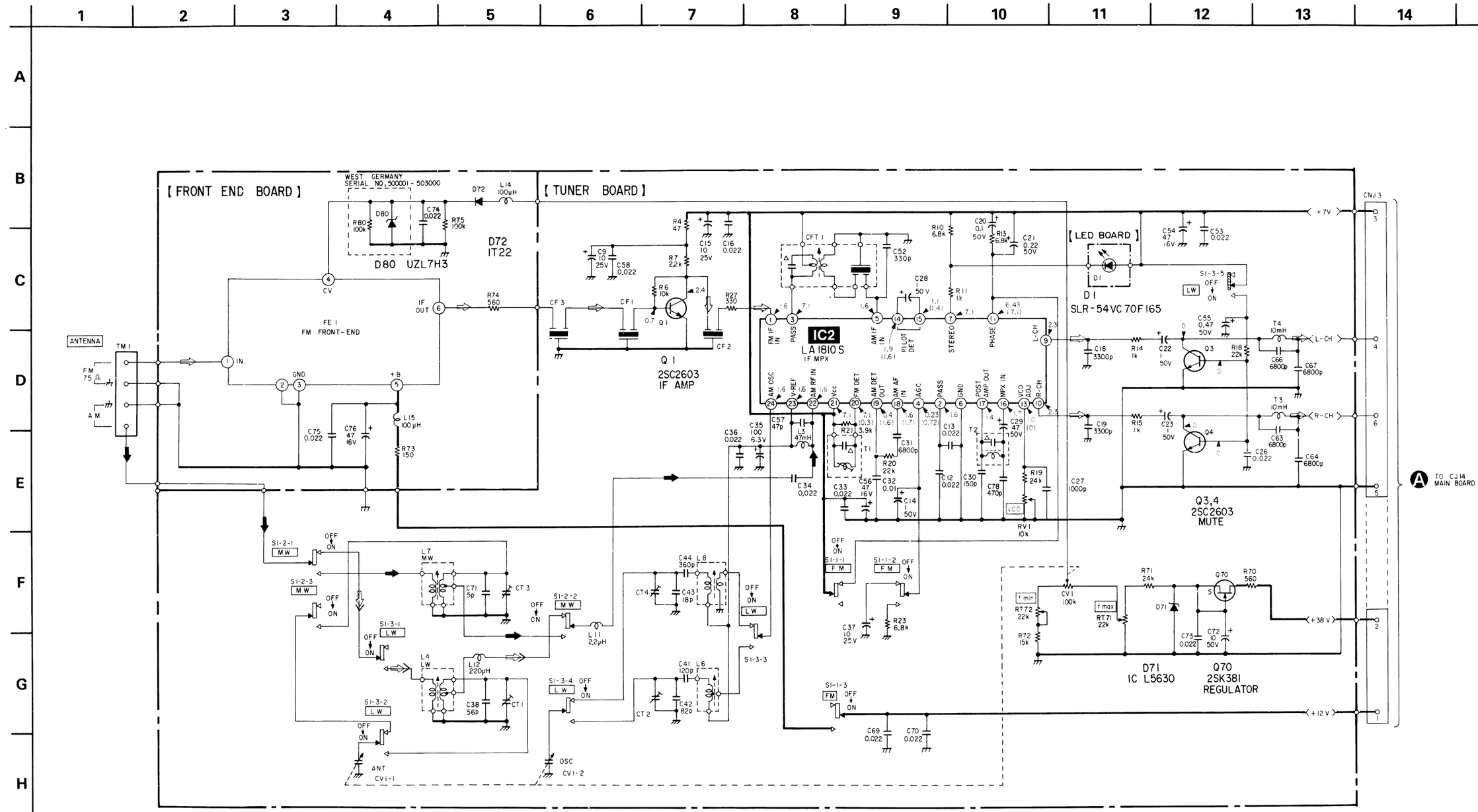
- ▬▬ : B+ Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM
  ( ) : MW
- Signal path.
  ⇨ : FM
  ➡ : MW
  ⇨ : LW

Semiconductor location

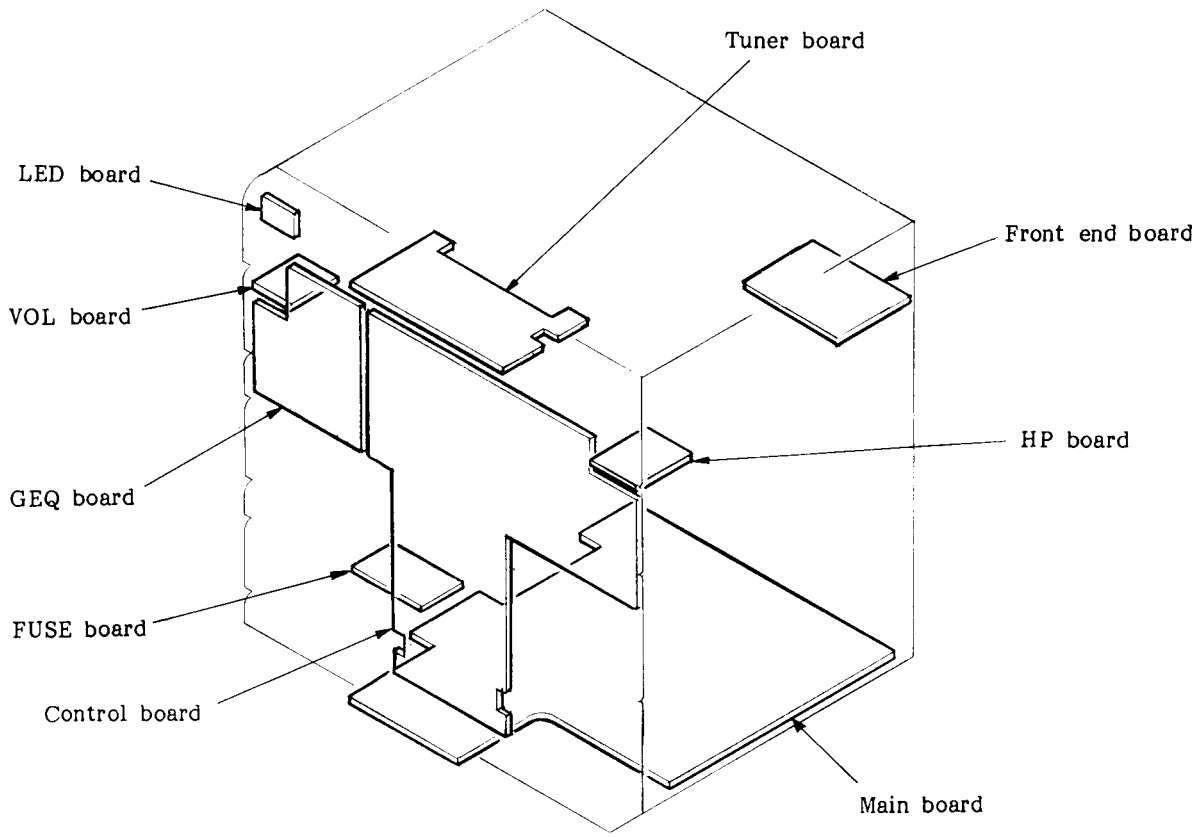
Ref. No.	Location
IC2	C-4
Q1	D-5
Q3	D-3
Q4	D-3
Q70	E-2
D1	A-10
D71	E-3
D72	C-10
D80	F-10



4-4. SCHEMATIC DIAGRAM (2) -TUNER SECTION-

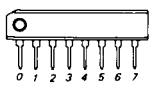


CIRCUIT BOARDS LOCATION

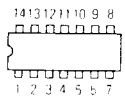


Semiconductors Lead Layout

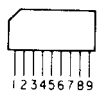
BA15218N



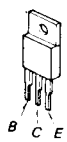
LC4011BK
LC4066B
LC4073BK
M4030BP



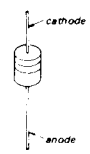
μPC4570HA-1



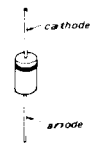
2SB1133-R
2SD1666



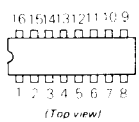
GMA01
RD11ES-B1
RD13ES-B1
RD5.6ES-B1
RD39JS-B2



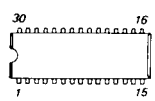
10E2N



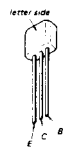
CXA1100P
CXA1198P
M4052BP
M5226P
TC4052BP



LC7818

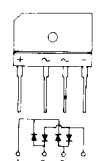


2SA1175
2SC2785
BA1L4M

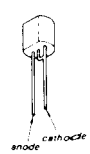


2SC3622A-K

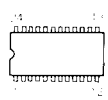
RBU-402-01



IC L5630



LA1810S

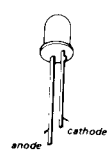


STK4122II

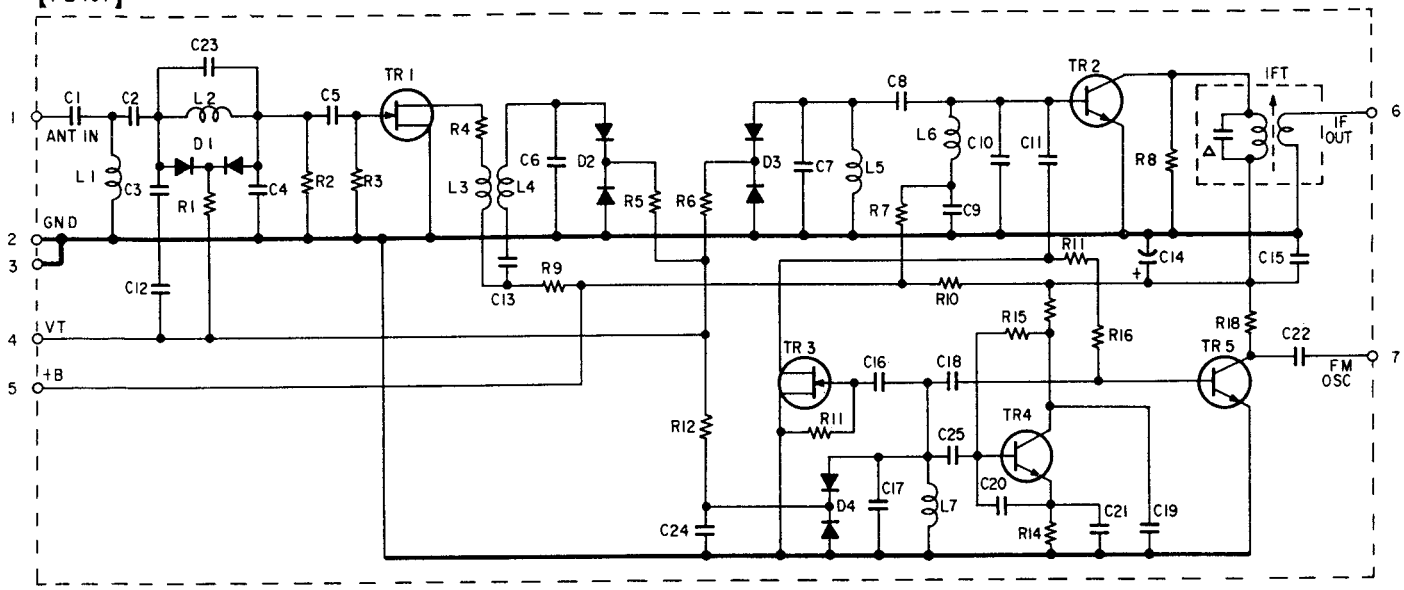
2SA1345
2SC2603-F
2SC3400
2SD1012

2SK381-C

SLR-54MC70F165
SLR-54VC70F165



【FE 101】


C23
C1
C2
L2
C5
TR 1
TR 2
IFT
C8
ANT IN
D1
L1
C3
R1
C4
R2
R3
R4
L3
L4
C6
D2
R5
R6
D3
C7
L5
L6
C10
C11
R8
IF OUT
R7
C9
GND
R11
C14
C15
C12
C13
R9
R10
VT
+B
R15
R16
R18
C22
TR 3
C16
C18
TR 5
FM OSC
R12
R11
TR4
C25
C20
C17
D4
L7
C21
C19
C24
R14
1
2
3
4
5
6
7

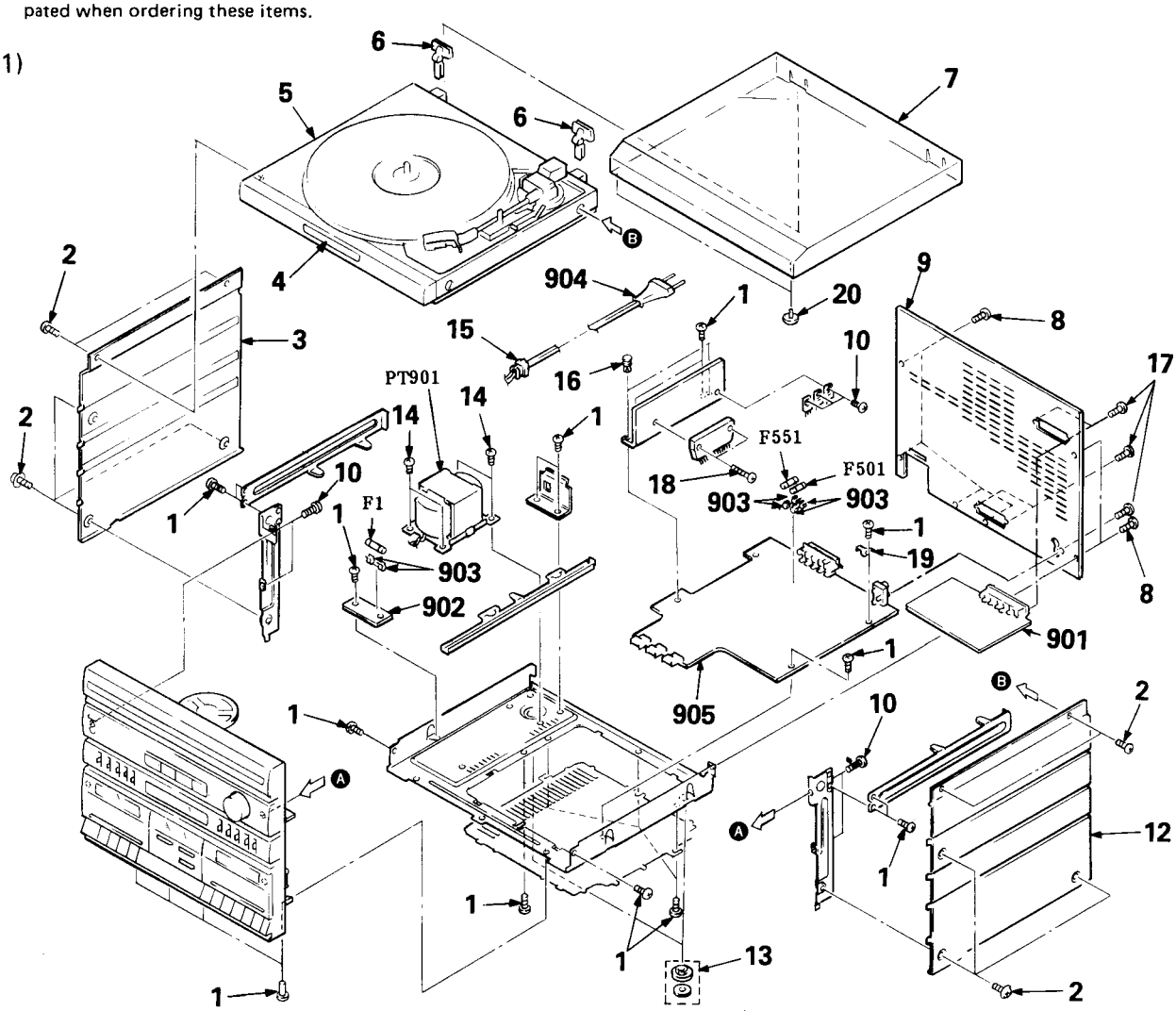
SECTION 5
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

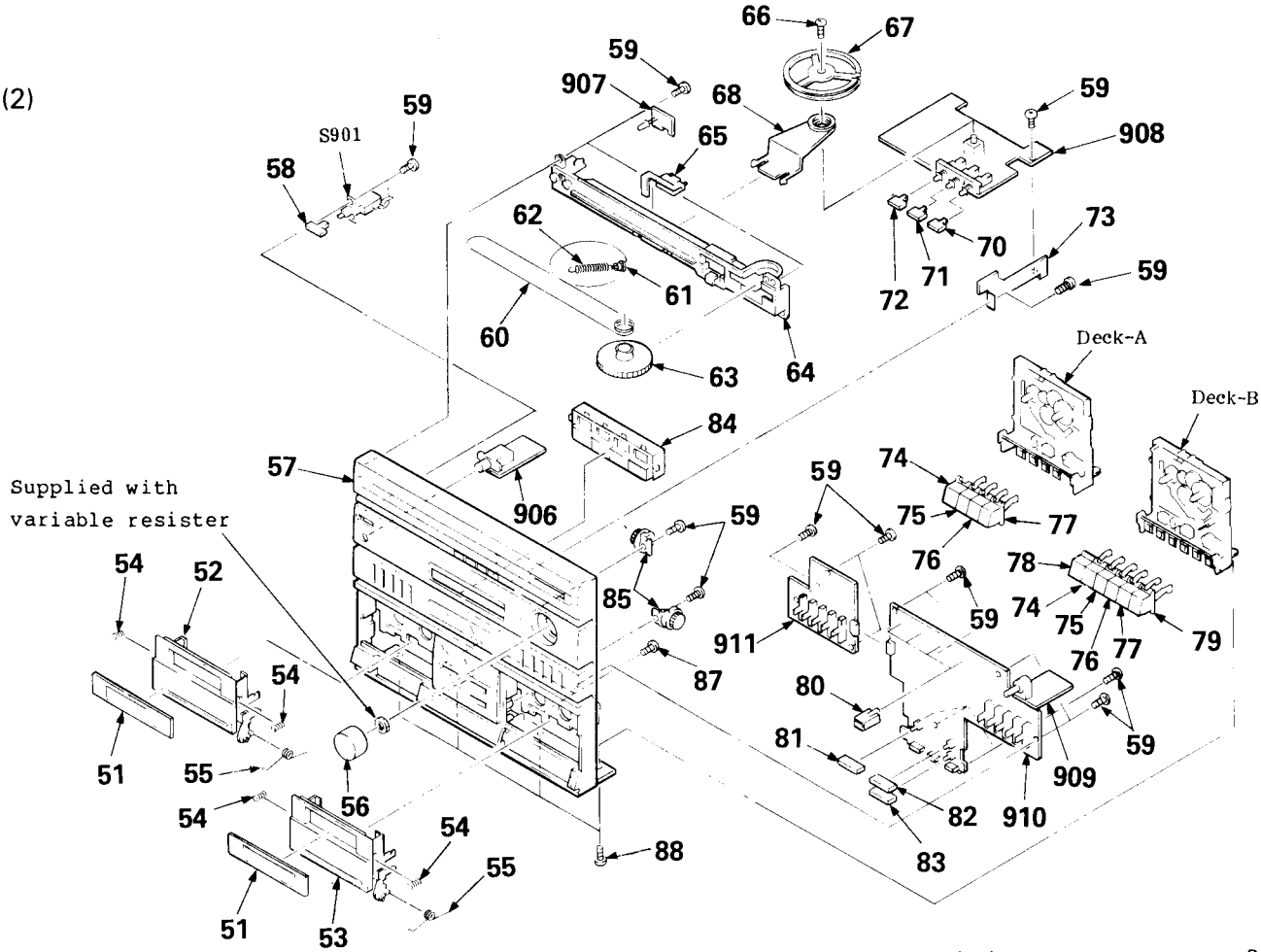
(1)



No.	Part No.	Description	Remarks
1	7-682-548-04	SCREW +BVTT 3X8 (S)	
2	3-704-366-01	SCREW (CASE) (M3X8)	
3	4-923-186-01	(Italian).....CASE (LEFT)	
	4-923-186-11	(West Germany)...CASE (LEFT)	
4	4-923-175-01	PLATE (PS), INDICATION	
5	4-923-184-01	(Italian).....BOARD, PLAYER	
	4-923-184-13	(West Germany)...BOARD, PLAYER	
6	4-923-156-01	HINGE	
7	4-923-179-01	COVER, DUST	
8	2-383-566-00	SCREW	
9	4-923-132-22	(West Germany)...PANEL, BACK	
	4-923-132-92	(Italian).....PANEL, BACK	
10	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
11	4-923-155-01	FOOT, RUBBER	
12	4-923-185-01	(Italian).....CASE (RIGHT)	
	4-923-185-11	(West Germany)...CASE (RIGHT)	

No.	Part No.	Description	Remarks
13	X-4921-901-1	FOOT ASSY	
14	7-682-560-04	SCREW +BVTT 4X6 (S)	
15	*3-703-244-00	BUSHING (2104), CORD	
16	4-917-239-01	RIVET, NYLON	
17	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
18	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
19	*4-904-446-01	PLATE, GROUND	
20	4-923-155-01	**FOOT, RUBBER**	
901	*1-627-831-11	PC BOARD, FRONT END	
902	*1-625-673-11	PC BOARD, FUSE	
903	1-533-183-11	HOLDER, FUSE	
904	⚠1-555-750-00	CORD, POWER	
905	*A-4388-706-A	MOUNTED PCB, MAIN AMPLIFIER	
F1	⚠1-576-006-11	FUSE (0.8A)	
F501	⚠1-576-008-11	FUSE (2A)	
F551	⚠1-576-008-11	FUSE (2A)	
PT901	⚠1-449-171-11	TRANSFORMER, POWER	

(2)



No.	Part No.	Description	Remarks
51	4-923-154-01	PLATE (MD), INDICATION	
52	4-923-183-01	(Italian).....HOLDER, CASSETTE	
	4-923-183-22	(West Germany)...HOLDER, CASSETTE	
53	4-923-183-12	(Italian).....HOLDER, CASSETTE	
	4-923-183-32	(West Germany)...HOLDER, CASSETTE	
54	*3-610-808-00	SPRING (1)	
55	4-923-147-05	SPRING, TORSION	
56	4-923-172-01	(Italian).....KNOB (V)	
	4-923-172-12	(West Germany)...KNOB (V)	
57	A-4322-974-A	PANEL ASSY, FRONT	
58	4-923-162-01	(Italian).....BUTTON (P)	
	4-923-162-11	(West Germany)...BUTTON (P)	
59	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
60	9-911-825-42	STRING, 0.5MM WHITE	
61	7-623-623-00	EYELET, 2.5X3	
62	3-532-724-01	SPRING, TENSION	
63	4-923-149-01	(Italian).....KNOB (TUN)	
	4-923-149-11	(West Germany)...KNOB (TUN)	
64	*4-923-178-01	CHASSIS, SUB	
65	4-923-158-01	POINTER	
66	7-621-770-87	SCREW +BVTT 2.6X5 (S)	
67	*4-923-168-01	DRUM, TUNING	
69	*4-923-157-01	HOLDER, DRUM	
70	4-923-164-01	(Italian).....BUTTON (BAND)(FM)	
	4-923-164-51	(West Germany)...BUTTON (BAND)(FM)	
71	4-923-164-11	(Italian).....BUTTON (BAND)(MW)	
	4-923-164-61	(West Germany)...BUTTON (BAND)(MW)	
72	4-923-164-21	(Italian).....BUTTON (BAND)(LW)	
	4-923-164-71	(West Germany)...BUTTON (BAND)(LW)	
73	*4-923-151-01	BRACKET (PCB)	

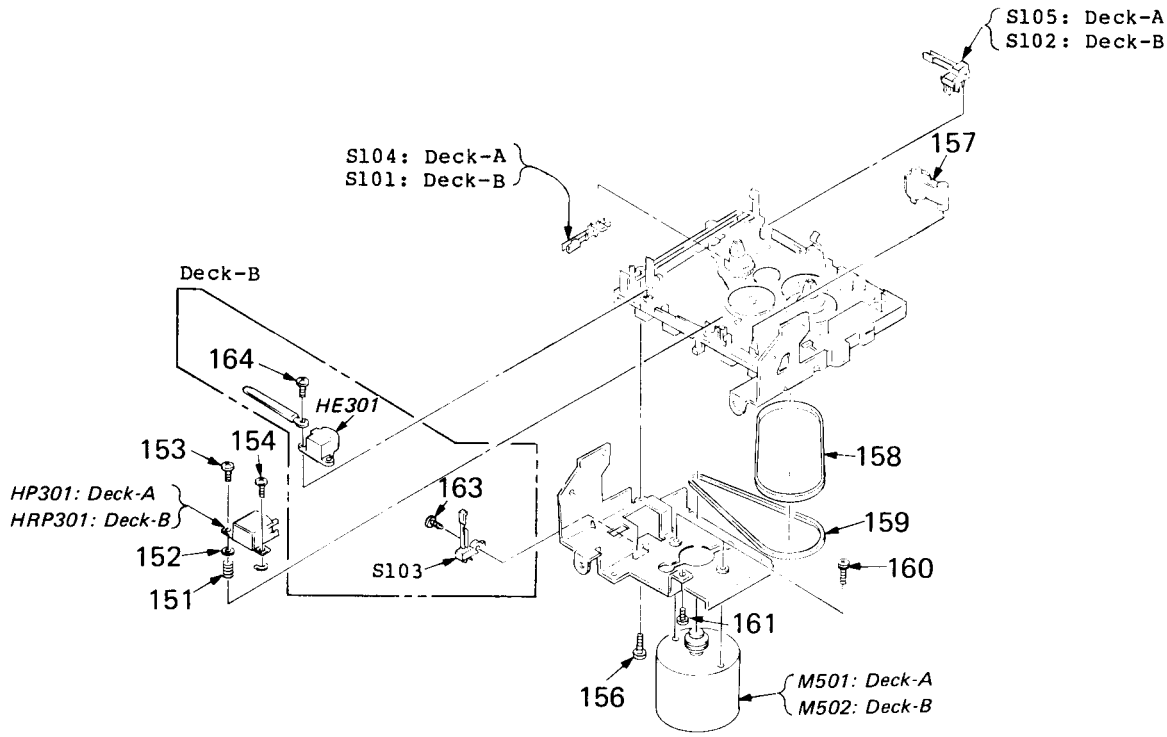
No.	Part No.	Description	Remarks
74	4-923-181-01	(Italian).....BUTTON (T1)	
	4-923-181-51	(West Germany)...BUTTON (T1)	
75	4-923-181-11	(Italian).....BUTTON (T1)	
	4-923-181-61	(West Germany)...BUTTON (T1)	
76	4-923-181-21	(Italian).....BUTTON (T1)	
	4-923-181-71	(West Germany)...BUTTON (T1)	
77	4-923-181-41	(Italian).....BUTTON (T1)	
	4-923-181-91	(West Germany)...BUTTON (T1)	
78	4-923-171-01	(Italian).....BUTTON (REC)	
	4-923-171-12	(West Germany)...BUTTON (REC)	
79	4-923-181-31	(Italian).....BUTTON (T1)	
	4-923-181-81	(West Germany)...BUTTON (T1)	
80	*4-923-169-01	HOLDER, LED	
81	4-923-152-21	(Italian).....BUTTON (T)(DUBBING SPEED)	
	4-923-152-51	(West Germany)...BUTTON (T)	
82	4-923-152-11	(Italian).....BUTTON (T)(DOLBY NR)	
	4-923-152-41	(West Germany)...BUTTON (T)	
83	4-923-152-01	(Italian).....BUTTON (T)(TAPE SELECT)	
	4-923-152-31	(West Germany)...BUTTON (T)	
84	4-923-170-01	(Italian).....BUTTON (F)	
	4-923-170-11	(West Germany)...BUTTON (F)	
85	4-919-393-01	DAMPER	
86	7-682-560-04	SCREW +BVTT 4X6 (S)	
87	7-685-648-79	SCREW, TAPPING	
906	*1-625-676-11	PC BOARD, HP	
907	*1-625-681-11	PC BOARD, LED	
908	*A-4351-629-A	MOUNTED PCB, TUNER	
909	*1-625-677-11	PC BOARD, VOL	
910	*1-625-674-11	PC BOARD, CONTROL	
911	*1-625-675-11	PC BOARD, GEQ (L)	
S901	⚠1-553-318-31	SWITCH, PUSH (AC POWER)(1 KEY)	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

(3) Mechanism Section

Deck-A: TCM-YM47W-39

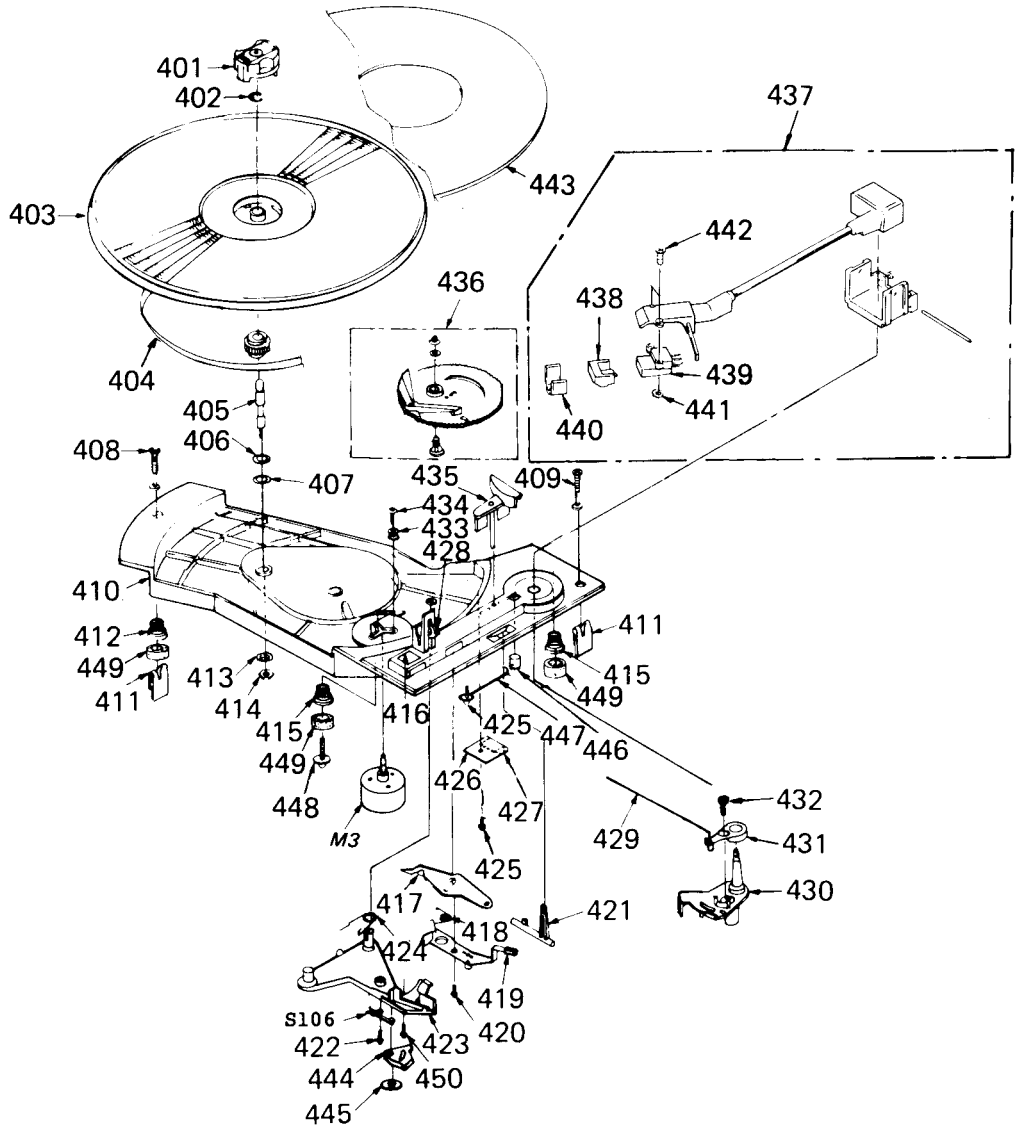
Deck-B: TCM-YM47W-38



No.	Part No.	Description	Remarks
151	4-894-955-01	C SPRING	
152	3-390-823-01	WASHER, F	
153	7-621-905-65	SCREW, TOTSU P 2X8	
154	7-621-255-15	SCREW +P 2X3	
156	7-685-133-19	SCREW +P 2.6X6 TYPE1	
157	3-390-805-01	ROLLER ASSY, PINCH	
158	3-390-807-01	BELT	
159	3-390-816-01	BELT, SQUARE	
160	7-628-253-90	SCREW +PS 2.6X4	
161	7-682-147-01	SCREW +PTT 3X6 (S)	
163	3-392-102-01	SCREW, D PAN	
164	7-685-781-04	SCREW +PTT 2X4 (S)	

No.	Part No.	Description	Remarks
HE301	1-543-261-11	(DECK B)...HEAD, ERASE (886-01-24)	
HP301	1-543-424-11	(DECK A)...HEAD, MAGNETIC (PB)	
HRP301	1-543-424-11	(DECK B)...HEAD, MAGNETIC (REC/PB)	
M501	X-3390-801-1	(DECK A)...MOTOR ASSY	
M502	X-3390-801-1	(DECK B)...MOTOR ASSY	
S101	1-570-715-11	(DECK B)...SWITCH, LEAF (MOTOR B+)	
S102	1-570-716-11	(DECK B)...SWITCH, LEAF (FWD)	
S103	1-571-260-11	(DECK B)...SWITCH, LEAF (REC)	
S104	1-570-715-11	(DECK A)...SWITCH, LEAF (MOTOR B+)	
S105	1-570-716-11	(DECK A)...SWITCH, LEAF (FWD)	

(4)



No.	Part No.	Description	Remarks
401	4-895-521-01	ADAPOER (B), 45	
402	4-895-020-01	E RING DIA.6	
403	X-4895-501-1	TURNTABLE ASSY	
404	4-895-022-01	BELT	
405	4-895-524-01	SPINDLE, CENTER	
406	4-895-024-01	POLY WASHER	
407	4-895-025-01	FLAT WASHER	
408	*4-895-525-01	SCREW (1), TRANSPORT	
409	*4-895-526-01	SCREW (2), TRANSPORT	
410	*4-895-028-01	BASE	
411	*4-895-029-01	RETAINING CLIP	
412	*4-895-030-01	SPRING (B)	
413	4-895-031-01	W GEAR	
414	4-895-032-01	NUT	
415	*4-895-033-01	SPRING (A)	
416	4-895-552-01	LID, FUNCTION	
417	4-895-035-01	SPEED SHIFT CAM 45	
418	4-895-036-01	SPRING	
419	4-895-037-01	SPEED SHIFT CAM 33	
420	4-895-038-01	7-CUP 3008	
421	4-895-039-01	CUE LEVER	
422	4-895-040-01	7-BID 2006	
423	*4-895-527-01	ARM, CONTROL	
424	4-895-042-01	ARM, CONTROL	
425	4-895-044-01	7-BID 3008	
426	*4-895-528-01	PLATE, MOTOR	

No.	Part No.	Description	Remarks
427	*4-895-529-01	BASE, SIDE	
428	4-895-046-01	P.U. TUBE HOOK	
429	*4-895-530-01	ROD	
430	*4-895-531-01	CAM	
431	4-895-532-01	CLUTCH	
432	4-895-533-01	SPRING	
433	4-895-049-01	GROMMET (A)	
434	4-895-050-01	SCREW	
435	*4-895-534-01	PLATE, LIFTER	
436	X-4895-502-1	GEAR ASSY, CAM	
437	X-4896-005-1	ARM ASSY, PICK-UP	
438	4-896-147-01	STYLUS	
439	4-896-146-01	CARTRIDGE	
440	*4-896-148-01	COVER, CARTRIDGE	
441	4-896-145-01	NUT (26ZN3K)	
442	4-896-149-01	2BID2608ZN3K	
443	4-896-016-01	TURNTABLE MAT	
444	*4-895-550-01	CAM	
445	4-303-605-00	PUSH NUT DIA.3	
446	*4-895-058-01	VISCOUS SHAFT	
447	*4-895-059-01	VISCOUS WIRE	
448	4-895-551-01	SCREW	
449	4-895-064-01	SPONGE	
450	7-685-649-79	SCREW (7-BID 3016 ZN3A)	
M3	4-895-034-01	MOTOR ASSY (PLAYER)	
S106	4-895-068-01	LIEF, SW (PLAYER MOTOR)	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
901	*1-627-831-11	PC BOARD, FRONT END			
902	*1-625-673-11	PC BOARD, FUSE			
903	1-533-183-11	HOLDER, FUSE			
904	⚠1-555-750-00	CORD, POWER			
905	*A-4388-706-A	MOUNTED PCB, MAIN AMPLIFIER			
906	*1-625-676-11	PC BOARD, HP			
907	*1-625-681-11	PC BOARD, LED			
908	*A-4351-629-A	MOUNTED PCB, TUNER			
909	*1-625-677-11	PC BOARD, VOL			
910	*1-625-674-11	PC BOARD, CONTROL			
911	*1-625-675-11	PC BOARD, GEQ (L)			
BP901	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P			
BP902	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P			
BP903	*1-535-476-11	TERMINAL			
BP904	*1-535-119-00	TERMINAL			
BP905	*1-535-476-11	TERMINAL			
C9	1-124-247-00	ELECT	10MF	20%	25V
C12	1-161-494-00	CERAMIC	0.022MF		25V
C13	1-101-005-00	CERAMIC	0.022MF		50V
C14	1-123-611-00	ELECT	1MF	20%	50V
C15	1-124-247-00	ELECT	10MF	20%	25V
C16	1-161-494-00	CERAMIC	0.022MF		25V
C18	1-161-327-00	CERAMIC	0.0033MF	30%	16V
C19	1-161-327-00	CERAMIC	0.0033MF	30%	16V
C20	1-124-463-00	ELECT	0.1MF	20%	50V
C21	1-124-464-11	ELECT	0.22MF	20%	50V
C22	1-123-611-00	ELECT	1MF	20%	50V
C23	1-123-611-00	ELECT	1MF	20%	50V
C26	1-161-494-00	CERAMIC	0.022MF		25V
C27	1-130-471-00	FILM	0.001MF	5%	50V
C28	1-123-611-00	ELECT	1MF	20%	50V
C29	1-126-163-11	ELECT	4.7MF	20%	50V
C30	1-162-284-31	CERAMIC	150PF	10%	50V
C31	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C32	1-161-379-00	CERAMIC	0.01MF	30%	16V
C33	1-161-494-00	CERAMIC	0.022MF		25V
C34	1-161-494-00	CERAMIC	0.022MF		25V
C35	1-123-661-00	ELECT	100MF	20%	6.3V
C36	1-161-494-00	CERAMIC	0.022MF		25V
C37	1-124-247-00	ELECT	10MF	20%	25V
C38	1-101-884-00	CERAMIC	56PF	5%	50V
C41	1-130-045-00	FILM	120PF	5%	50V
C42	1-102-971-00	CERAMIC	82PF	5%	50V
C43	1-102-953-00	CERAMIC	18PF	5%	50V
C44	1-136-013-11	FILM	360PF	5%	50V
C52	1-162-288-31	CERAMIC	330PF	10%	50V

Ref.No.	Part No.	Description			
C53	1-161-494-00	CERAMIC	0.022MF		25V
C54	1-124-589-11	ELECT	47MF	20%	16V
C55	1-124-465-00	ELECT	0.47MF	20%	50V
C56	1-124-589-11	ELECT	47MF	20%	16V
C57	1-162-195-31	CERAMIC	4.7PF	10%	50V
C58	1-161-494-00	CERAMIC	0.022MF		25V
C63	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C64	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C66	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C67	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C69	1-161-494-00	CERAMIC	0.022MF		25V
C70	1-161-494-00	CERAMIC	0.022MF		25V
C71	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C72	1-123-356-00	ELECT	10MF	20%	50V
C73	1-161-494-00	CERAMIC	0.022MF		25V
C74	1-161-494-00	CERAMIC	0.022MF		25V
C75	1-161-494-00	CERAMIC	0.022MF		25V
C76	1-124-589-11	ELECT	47MF	20%	16V
C78	1-162-290-31	CERAMIC	470PF	10%	50V
C401	1-124-927-11	ELECT	4.7MF	20%	50V
C402	1-162-282-31	CERAMIC	100PF	10%	50V
C403	1-162-219-31	CERAMIC	68PF	5%	50V
C404	1-124-499-11	ELECT	1MF	20%	50V
C405	1-130-473-00	MYLAR	0.0015MF	5%	50V
C406	1-130-480-00	MYLAR	0.0056MF	5%	50V
C407	1-124-902-00	ELECT	0.47MF	20%	50V
C408	1-124-446-11	ELECT	47MF	20%	10V
C411	1-162-290-31	CERAMIC	470PF	10%	50V
C413	1-124-927-11	ELECT	4.7MF	20%	50V
C416	1-124-927-11	ELECT	4.7MF	20%	50V
C417	1-124-446-11	ELECT	47MF	20%	10V
C418	1-162-294-31	CERAMIC	0.001MF	10%	50V
C419	1-124-927-11	ELECT	4.7MF	20%	50V
C420	1-162-289-31	CERAMIC	390PF	10%	50V
C421	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C422	1-130-472-00	MYLAR	0.0012MF	5%	50V
C423	1-130-487-00	MYLAR	0.022MF	5%	50V
C424	1-130-478-00	MYLAR	0.0039MF	5%	50V
C425	1-130-493-00	MYLAR	0.068MF	5%	50V
C426	1-130-484-00	MYLAR	0.012MF	5%	50V
C427	1-130-499-00	MYLAR	0.22MF	5%	50V
C428	1-130-490-11	MYLAR	0.039MF	5%	50V
C429	1-124-254-00	ELECT	0.68MF	20%	50V
C432	1-123-875-11	ELECT	10MF	20%	50V
C435	1-124-902-00	ELECT	0.47MF	20%	50V

Ref.No.	Part No.	Description			
C436	1-124-446-11	ELECT	47MF	20%	10V
C437	1-124-446-11	ELECT	47MF	20%	10V
C438	1-126-233-11	ELECT	22MF	20%	50V
C439	1-130-487-00	MYLAR	0.022MF	5%	50V
C447	1-124-446-11	ELECT	47MF	20%	10V
C449	1-162-286-31	CERAMIC	220PF	10%	50V
C450	1-161-494-00	CERAMIC	0.022MF		25V
C451	1-124-927-11	ELECT	4.7MF	20%	50V
C452	1-162-282-31	CERAMIC	100PF	10%	50V
C453	1-162-219-31	CERAMIC	68PF	5%	50V
C454	1-124-499-11	ELECT	1MF	20%	50V
C455	1-130-473-00	MYLAR	0.0015MF	5%	50V
C456	1-130-480-00	MYLAR	0.0056MF	5%	50V
C457	1-124-902-00	ELECT	0.47MF	20%	50V
C458	1-124-446-11	ELECT	47MF	20%	10V
C461	1-162-290-31	CERAMIC	470PF	10%	50V
C463	1-124-927-11	ELECT	4.7MF	20%	50V
C466	1-124-927-11	ELECT	4.7MF	20%	50V
C467	1-124-446-11	ELECT	47MF	20%	10V
C468	1-162-294-31	CERAMIC	0.001MF	10%	50V
C469	1-124-927-11	ELECT	4.7MF	20%	50V
C470	1-162-289-31	CERAMIC	390PF	10%	50V
C471	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C472	1-130-472-00	MYLAR	0.0012MF	5%	50V
C473	1-130-487-00	MYLAR	0.022MF	5%	50V
C474	1-130-478-00	MYLAR	0.0039MF	5%	50V
C475	1-130-493-00	MYLAR	0.068MF	5%	50V
C476	1-130-484-00	MYLAR	0.012MF	5%	50V
C477	1-130-499-00	MYLAR	0.22MF	5%	50V
C478	1-130-490-11	MYLAR	0.039MF	5%	50V
C479	1-124-254-00	ELECT	0.68MF	20%	50V
C482	1-123-875-11	ELECT	10MF	20%	50V
C485	1-124-902-00	ELECT	0.47MF	20%	50V
C486	1-124-446-11	ELECT	47MF	20%	10V
C487	1-124-446-11	ELECT	47MF	20%	10V
C497	1-124-446-11	ELECT	47MF	20%	10V
C499	1-162-286-31	CERAMIC	220PF	10%	50V
C502	1-162-286-31	CERAMIC	220PF	10%	50V
C503	1-126-233-11	ELECT	22MF	20%	50V
C504	1-124-122-11	ELECT	100MF	20%	50V
C505	1-124-910-11	ELECT	47MF	20%	50V
C506	1-126-233-11	ELECT	22MF	20%	50V
C507	1-130-493-00	MYLAR	0.068MF	5%	50V
C508	1-130-493-00	MYLAR	0.068MF	5%	50V
C510	1-130-495-00	MYLAR	0.1MF	5%	50V
C511	1-124-477-11	ELECT	47MF	20%	25V
C514	1-123-875-11	ELECT	10MF	20%	50V
C549	1-101-005-00	CERAMIC	0.022MF		50V
C552	1-162-286-31	CERAMIC	220PF	10%	50V
C553	1-126-233-11	ELECT	22MF	20%	50V
C554	1-124-122-11	ELECT	100MF	20%	50V
C555	1-124-910-11	ELECT	47MF	20%	50V
C557	1-130-493-00	MYLAR	0.068MF	5%	50V
C558	1-130-493-00	MYLAR	0.068MF	5%	50V
C599	1-101-005-00	CERAMIC	0.022MF		50V
C601	1-102-355-00	CERAMIC	0.01MF		250V
C602	1-124-026-00	ELECT	3300MF	20%	35V
C603	1-124-026-00	ELECT	3300MF	20%	35V
C607	1-124-446-11	ELECT	47MF	20%	10V
C608	1-124-120-11	ELECT	220MF	20%	25V
C611	1-124-893-11	ELECT	2200MF	20%	10V
C612	1-124-893-11	ELECT	2200MF	20%	10V
C614	1-126-103-11	ELECT	470MF	20%	16V
C617	1-124-572-11	ELECT	100MF	20%	63V
C618	1-124-911-11	ELECT	220MF	20%	50V
C623	1-124-120-11	ELECT	220MF	20%	25V
C650	1-124-477-11	ELECT	47MF	20%	16V
C701	1-162-291-31	CERAMIC	560PF	10%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-130-487-00	MYLAR	0.022MF	5%	50V
C704	1-124-927-11	ELECT	4.7MF	20%	50V
C705	1-124-446-11	ELECT	47MF	20%	10V
C706	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C708	1-162-286-31	CERAMIC	220PF	10%	50V
C709	1-136-175-00	FILM	0.68MF	5%	50V
C710	1-124-927-11	ELECT	4.7MF	20%	50V
C712	1-136-274-11	FILM	82PF	5%	630V
C714	1-162-291-31	CERAMIC	560PF	10%	50V
C715	1-162-282-31	CERAMIC	100PF	10%	50V
C716	1-130-487-00	MYLAR	0.022MF	5%	50V
C717	1-124-927-11	ELECT	4.7MF	20%	50V
C718	1-124-446-11	ELECT	47MF	20%	10V
C720	1-124-927-11	ELECT	4.7MF	20%	50V
C721	1-162-284-31	CERAMIC	150PF	10%	50V
C722	1-124-902-00	ELECT	0.47MF	20%	50V
C723	1-123-875-11	ELECT	10MF	20%	50V
C725	1-124-446-11	ELECT	47MF	20%	10V
C751	1-162-291-31	CERAMIC	560PF	10%	50V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-130-487-00	MYLAR	0.022MF	5%	50V
C754	1-124-927-11	ELECT	4.7MF	20%	50V
C755	1-124-446-11	ELECT	47MF	20%	10V
C756	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C758	1-162-286-31	CERAMIC	220PF	10%	50V
C759	1-136-175-00	FILM	0.68MF	5%	50V
C760	1-124-927-11	ELECT	4.7MF	20%	50V
C762	1-136-274-11	FILM	82PF	5%	630V
C764	1-162-291-31	CERAMIC	560PF	10%	50V
C765	1-162-282-31	CERAMIC	100PF	10%	50V
C766	1-130-487-00	MYLAR	0.022MF	5%	50V
C767	1-124-927-11	ELECT	4.7MF	20%	50V
C768	1-124-446-11	ELECT	47MF	20%	10V
C770	1-124-927-11	ELECT	4.7MF	20%	50V
C771	1-162-284-31	CERAMIC	150PF	10%	50V
C772	1-124-902-00	ELECT	0.47MF	20%	50V
C801	1-130-499-00	MYLAR	0.22MF	5%	50V
C802	1-124-927-11	ELECT	4.7MF	20%	50V
C803	1-124-927-11	ELECT	4.7MF	20%	50V
C804	1-124-446-11	ELECT	47MF	20%	10V
C805	1-162-219-31	CERAMIC	68PF	5%	50V
C806	1-136-562-11	FILM	0.0082MF	5%	630V
C807	1-124-902-00	ELECT	0.47MF	20%	50V
C808	1-130-477-00	MYLAR	0.0033MF	5%	50V
C809	1-130-483-00	MYLAR	0.01MF	5%	50V

Ref.No.	Part No.	Description			
C810	1-124-463-00	ELECT	0.1MF	20%	50V
C811	1-162-294-31	CERAMIC	0.001MF	10%	50V
C812	1-123-875-11	ELECT	10MF	20%	50V
C813	1-123-875-11	ELECT	10MF	20%	50V
C814	1-161-494-00	CERAMIC	0.022MF		25V
C815	1-124-927-11	ELECT	4.7MF	20%	50V
C816	1-123-875-11	ELECT	10MF	20%	50V
C817	1-124-360-00	ELECT	1000MF	20%	16V
C851	1-130-499-00	MYLAR	0.22MF	5%	50V
C852	1-124-927-11	ELECT	4.7MF	20%	50V
C853	1-124-927-11	ELECT	4.7MF	20%	50V
C854	1-124-446-11	ELECT	47MF	20%	10V
C855	1-162-219-31	CERAMIC	68PF	5%	50V
C861	1-162-294-31	CERAMIC	0.001MF	10%	50V
C901	1-161-744-00	CERAMIC	0.01MF		400V
C903	1-161-494-00	CERAMIC	0.022MF	30%	25V
C904	1-161-494-00	CERAMIC	0.022MF	30%	25V
C905	1-161-494-00	CERAMIC	0.022MF	30%	25V
C906	1-162-282-31	CERAMIC	100PF	10%	50V
C913	1-162-289-31	CERAMIC	390PF	10%	50V
C914	1-161-494-00	CERAMIC	0.022MF		25V
C916	1-161-494-00	CERAMIC	0.022MF	30%	25V
C917	1-161-494-00	CERAMIC	0.022MF	30%	25V
C918	1-136-169-00	MYLAR	0.22MF	5%	50V
C919	1-136-169-00	MYLAR	0.22MF	5%	50V
CF1	1-567-389-11	FILTER, CERAMIC			
CF2	1-567-389-11	FILTER, CERAMIC			
CF3	1-567-389-11	FILTER, CERAMIC			
CFT1	1-404-713-11	TRANSFORMER, IF			
CN5	*1-566-825-11	HOUSING, CONNECTOR 6P			
CNJ1	*1-566-451-11	HOUSING, CONNECTOR 3P			
CNJ2	*1-566-248-11	HOUSING, CONNECTOR 4P			
CNJ3	*1-566-825-11	HOUSING, CONNECTOR 6P			
CNJ7	*1-566-925-11	SOCKET, CONNECTOR 8P			
CNJ8	*1-566-925-11	SOCKET, CONNECTOR 8P			
CNJ9	*1-566-925-11	SOCKET, CONNECTOR 8P			
CNJ13	1-507-807-00	JACK, PIN 2P (CD IN)			
CNJ101	*1-506-708-11	PLUG, CONNECTOR (2.5MM) 5P			
CNJ403	1-566-836-11	JACK, LARGE TYPE 1P (HEADPHONES)			
CNJ501	*1-566-923-11	PLUG, CONNECTOR 8P			
CNJ502	*1-566-923-11	PLUG, CONNECTOR 8P			
CNJ503	*1-566-923-11	PLUG, CONNECTOR 8P			
CNJ504	*1-565-177-11	SOCKET, CONNECTOR 5P			
CNJ505	*1-560-070-00	BASE POST 5P			
CNJ506	*1-566-825-11	HOUSING, CONNECTOR 6P			
CNP1	*1-564-509-11	PLUG, CONNECTOR 6P			
CNP2	*1-564-511-11	PLUG, CONNECTOR 8P			
CNP3	*1-564-505-11	PLUG, CONNECTOR 2P			
CNP5	*1-564-508-11	PLUG, CONNECTOR 5P			
CNP6	*1-564-506-11	PLUG, CONNECTOR 3P			
CJ14	*1-566-452-11	HOUSING, CONNECTOR 7P			
CJ15	*1-566-167-11	HOUSING, CONNECTOR 5P			
CT1	1-141-227-00	CAP, CERAMIC TRIMMER			
CT2	1-141-227-00	CAP, CERAMIC TRIMMER			
CT3	1-141-304-21	TRIMMER, CERAMIC			
CT4	1-141-304-21	TRIMMER, CERAMIC			

Ref.No.	Part No.	Description
CV1	1-151-610-11	CAP, VAR, POLYETHYLENE
D1	8-719-921-01	DIODE EBR5534S
D71	8-759-802-17	DIODE IC L5630
D72	**8-719-022-21**	**DIODE 1T22A**
D80	**8-719-100-44**	**DIODE RD7.5E-B2**
D401	8-719-955-04	DIODE PY5504S-1
D402	8-719-955-04	DIODE PY5504S-1
D403	8-719-955-04	DIODE PY5504S-1
D404	8-719-955-04	DIODE PY5504S-1
D405	8-719-939-77	DIODE GMA01
D406	8-719-939-77	DIODE GMA01
D506	8-719-939-77	DIODE GMA01
D601	8-719-302-36	DIODE RBV-402-01
D602	8-719-200-77	DIODE 10E2N
D607	8-719-109-88	DIODE RD5.6ES-B1
D612	8-719-110-35	DIODE RD13ES-B1
D614	8-719-200-77	DIODE 10E2N
D615	8-719-115-23	DIODE RD39JS-B2
D801	8-719-939-77	DIODE GMA01
D802	8-719-939-77	DIODE GMA01
D803	8-719-939-77	DIODE GMA01
D804	8-719-939-77	DIODE GMA01
D805	8-719-939-77	DIODE GMA01
D806	8-719-939-77	DIODE GMA01
D807	8-719-939-77	DIODE GMA01
D808	8-719-939-77	DIODE GMA01
D809	8-719-939-77	DIODE GMA01
D810	8-719-939-77	DIODE GMA01
D811	8-719-110-21	DIODE RD11ES-B1
D812	8-719-939-77	DIODE GMA01
D813	8-719-921-01	DIODE EBR5534S
F1	⚠1-576-006-11	FUSE (0.8A)
F501	⚠1-576-008-11	FUSE (2A)
F551	⚠1-576-008-11	FUSE (2A)
FE1	1-465-054-11	FRONT END (FM 4 GANG)
HE301	1-543-261-11	(DECK B)...HEAD, ERASE (886-01-24)
HP301	1-543-424-11	(DECK A)...HEAD, MAGNETIC (PB)
HRP301	1-543-424-11	(DECK B)...HEAD, MAGNETIC (REC/PB)
IC2	8-759-804-97	IC LA1810S
IC401	8-759-943-95	IC BA15218N
IC402	8-759-802-52	IC LC7818
IC403	8-759-943-95	IC BA15218N
IC404	8-759-602-04	IC M5226P
IC405	8-759-602-04	IC M5226P
IC501	8-749-900-95	IC STK-4122-2
IC701	8-759-112-93	IC UPC4570HA-1
IC702	8-759-112-93	IC UPC4570HA-1
IC703	8-759-800-03	IC LC4066B
IC704	8-752-031-67	IC CXA1100P
IC801	8-752-033-61	IC CXA1198AP
IC802	8-759-240-52	IC TC4052BP
IC803	8-759-240-11	IC TC4011BP
IC804	8-759-601-29	IC M4030BP
IC805	8-759-240-73	IC TC4073BP

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description
L3	1-408-224-00	INDUCTOR 47MMH
L4	1-402-358-11	COIL, (LW ANT)
L6	1-405-921-00	COIL, OSCILLATOR
L7	1-402-359-11	COIL, (MW ANT)
L8	1-406-065-00	COIL (OSC)
L11	1-410-501-11	INDUCTOR 2.2UH
L12	1-410-525-11	INDUCTOR 220UH
L14	1-410-334-11	INDUCTOR 100UH
L15	1-410-334-11	INDUCTOR 100UH
L501	1-410-397-21	FERRITE BEAD INDUCTOR
L502	1-410-397-21	FERRITE BEAD INDUCTOR
L503	1-410-397-21	FERRITE BEAD INDUCTOR
L551	1-410-397-21	FERRITE BEAD INDUCTOR
L552	1-410-397-21	FERRITE BEAD INDUCTOR
L553	1-410-397-21	FERRITE BEAD INDUCTOR
L701	1-408-929-00	INDUCTOR 27MMH
L751	1-408-929-00	INDUCTOR 27MMH
LP701	1-236-087-21	FILTER, LOW PASS
LP751	1-236-087-21	FILTER, LOW PASS
M501	X-3390-801-1	(DECK A)...MOTOR ASSY
M502	X-3390-801-1	(DECK B)...MOTOR ASSY
PT901 ⚠	1-449-171-11	TRANSFORMER, POWER
Q1	8-729-178-73	TRANSISTOR 2SC2787
Q3	8-729-178-54	TRANSISTOR 2SC2785
Q4	8-729-178-54	TRANSISTOR 2SC2785
Q70	8-729-600-94	TRANSISTOR 2SK381-C
Q401	8-729-109-99	TRANSISTOR 2SC3622A-K
Q402	8-729-806-34	TRANSISTOR 2SC3400
Q403	8-729-178-54	TRANSISTOR 2SC2785
Q404	8-729-117-54	TRANSISTOR 2SA1175
Q451	8-729-109-99	TRANSISTOR 2SC3622A
Q601	8-729-804-17	TRANSISTOR 2SD1666R
Q602	8-729-178-54	TRANSISTOR 2SC2785
Q603	8-729-804-67	TRANSISTOR 2SB1133R
Q604	8-729-117-54	TRANSISTOR 2SA1175
Q605	8-729-804-17	TRANSISTOR 2SD1666R
Q607	8-729-804-17	TRANSISTOR 2SD1666R
Q615	8-729-178-54	TRANSISTOR 2SC2785
Q616	8-729-117-54	TRANSISTOR 2SA1175
Q701	8-729-900-89	TRANSISTOR DTC144ES
Q703	8-729-178-54	TRANSISTOR 2SC2785
Q751	8-729-900-89	TRANSISTOR DTC144ES
Q753	8-729-178-54	TRANSISTOR 2SC2785
Q801	8-729-178-54	TRANSISTOR 2SC2785
Q802	8-729-811-22	TRANSISTOR 2SD1012-F2
Q803	8-729-811-22	TRANSISTOR 2SD1012-F2
Q804	8-729-117-54	TRANSISTOR 2SA1175
Q805	8-729-900-61	TRANSISTOR DTA114ES
Q806	8-729-900-61	TRANSISTOR DTA114ES
Q807	8-729-900-61	TRANSISTOR DTA114ES
Q808	8-729-900-61	TRANSISTOR DTA114ES
Q810	8-729-900-89	TRANSISTOR DTC144ES
Q851	8-729-178-54	TRANSISTOR 2SC2785
Q855	8-729-900-61	TRANSISTOR DTA114ES

Ref.No.	Part No.	Description			
R4	1-249-401-11	CARBON	47	5%	1/4W
R6	1-249-429-11	CARBON	10K	5%	1/4W
R7	1-249-421-11	CARBON	2.2K	5%	1/4W
R10	1-249-427-11	CARBON	6.8K	5%	1/4W
R11	1-249-417-11	CARBON	1K	5%	1/4W
R13	1-249-427-11	CARBON	6.8K	5%	1/4W
R14	1-249-417-11	CARBON	1K	5%	1/4W
R15	1-249-417-11	CARBON	1K	5%	1/4W
R18	1-249-433-11	CARBON	22K	5%	1/4W
R19	1-247-864-11	CARBON	24K	5%	1/4W
R20	1-249-433-11	CARBON	22K	5%	1/4W
R21	1-249-424-11	CARBON	3.9K	5%	1/4W
R23	1-249-427-11	CARBON	6.8K	5%	1/4W
R27	1-249-411-11	CARBON	330	5%	1/4W
R70	1-249-414-11	CARBON	560	5%	1/4W
R71	1-247-864-11	CARBON	24K	5%	1/4W
R72	1-249-431-11	CARBON	15K	5%	1/4W
R73	1-249-408-11	CARBON	180	5%	1/4W
R74	1-249-414-11	CARBON	560	5%	1/4W
R401	1-249-415-11	CARBON	680	5%	1/4W
R403	1-249-441-11	CARBON	100K	5%	1/4W
R404	1-249-416-11	CARBON	820	5%	1/4W
R405	1-247-897-11	CARBON	560K	5%	1/4W
R406	1-249-437-11	CARBON	47K	5%	1/4W
R407	1-249-423-11	CARBON	3.3K	5%	1/4W
R408	1-249-430-11	CARBON	12K	5%	1/4W
R410	1-249-433-11	CARBON	22K	5%	1/4W
R412	1-249-426-11	CARBON	5.6K	5%	1/4W
R413	1-247-903-00	CARBON	1M	5%	1/4W
R414	1-249-417-11	CARBON	1K	5%	1/4W
R417	1-249-421-11	CARBON	2.2K	5%	1/4W
R418	1-247-887-00	CARBON	220K	5%	1/4W
R419	1-249-417-11	CARBON	1K	5%	1/4W
R420	1-249-424-11	CARBON	3.9K	5%	1/4W
R421	1-249-427-11	CARBON	6.8K	5%	1/4W
R422	1-249-425-11	CARBON	4.7K	5%	1/4W
R423	1-249-421-11	CARBON	2.2K	5%	1/4W
R429	1-249-415-11	CARBON	680	5%	1/4W
R432	1-249-433-11	CARBON	22K	5%	1/4W
R433	1-249-441-11	CARBON	100K	5%	1/4W
R434	1-249-441-11	CARBON	100K	5%	1/4W
R435	1-249-437-11	CARBON	47K	5%	1/4W
R436	1-249-441-11	CARBON	100K	5%	1/4W
R438	1-247-901-11	CARBON	820K	5%	1/4W
R439	1-249-433-11	CARBON	22K	5%	1/4W
R440	1-249-433-11	CARBON	22K	5%	1/4W
R441	1-249-433-11	CARBON	22K	5%	1/4W
R442	1-249-433-11	CARBON	22K	5%	1/4W
R443	1-249-410-11	CARBON	270	5%	1/4W
R444	1-249-410-11	CARBON	270	5%	1/4W
R445	1-249-410-11	CARBON	270	5%	1/4W
R446	1-249-410-11	CARBON	270	5%	1/4W
R447	1-249-433-11	CARBON	22K	5%	1/4W
R451	1-249-415-11	CARBON	680	5%	1/4W
R453	1-249-441-11	CARBON	100K	5%	1/4W
R454	1-249-416-11	CARBON	820	5%	1/4W
R455	1-247-897-11	CARBON	560K	5%	1/4W

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description				
R456	1-249-437-11	CARBON	47K	5%	1/4W	
R457	1-249-423-11	CARBON	3.3K	5%	1/4W	
R458	1-249-430-11	CARBON	12K	5%	1/4W	
R460	1-249-433-11	CARBON	22K	5%	1/4W	
R462	1-249-426-11	CARBON	5.6K	5%	1/4W	
R463	1-247-903-00	CARBON	1M	5%	1/4W	
R464	1-249-417-11	CARBON	1K	5%	1/4W	
R467	1-249-421-11	CARBON	2.2K	5%	1/4W	
R468	1-247-887-00	CARBON	220K	5%	1/4W	
R469	1-249-417-11	CARBON	1K	5%	1/4W	
R470	1-249-424-11	CARBON	3.9K	5%	1/4W	
R471	1-249-427-11	CARBON	6.8K	5%	1/4W	
R472	1-249-425-11	CARBON	4.7K	5%	1/4W	
R473	1-249-421-11	CARBON	2.2K	5%	1/4W	
R479	1-249-415-11	CARBON	680	5%	1/4W	
R482	1-249-433-11	CARBON	22K	5%	1/4W	
R501	1-249-417-11	CARBON	1K	5%	1/4W	
R502	1-249-438-11	CARBON	56K	5%	1/4W	
R503	1-249-414-11	CARBON	560	5%	1/4W	
R504	1-249-438-11	CARBON	56K	5%	1/4W	
R505	⚠1-212-881-11	FUSIBLE	100	5%	1/4W	F
R506	1-247-832-11	CARBON	1.1K	5%	1/4W	
R507	1-247-832-11	CARBON	1.1K	5%	1/4W	
R508	1-249-389-11	CARBON	4.7	5%	1/4W	
R514	1-249-442-11	CARBON	510	5%	1/4W	
R515	1-249-442-11	CARBON	510	5%	1/4W	
R523	1-249-429-11	CARBON	10K	5%	1/4W	
R524	1-247-883-00	CARBON	150K	5%	1/4W	
R525	1-249-439-11	CARBON	68K	5%	1/4W	
R526	1-249-433-11	CARBON	22K	5%	1/4W	
R529	1-249-430-11	CARBON	12K	5%	1/4W	
R535	1-249-415-11	CARBON	680	5%	1/4W	
R544	⚠1-212-950-00	FUSIBLE	4.7	5%	1/2W	F
R545	1-249-389-11	CARBON	4.7	5%	1/4W	
R546	1-249-442-11	CARBON	510	5%	1/4W	
R547	1-249-442-11	CARBON	510	5%	1/4W	
R548	1-247-832-11	CARBON	1.1K	5%	1/4W	
R549	1-247-832-11	CARBON	1.1K	5%	1/4W	
R551	1-249-417-11	CARBON	1K	5%	1/4W	
R552	1-249-438-11	CARBON	56K	5%	1/4W	
R553	1-249-414-11	CARBON	560	5%	1/4W	
R554	1-249-438-11	CARBON	56K	5%	1/4W	
R555	⚠1-212-881-11	FUSIBLE	100	5%	1/4W	F
R556	1-247-832-11	CARBON	1.1K	5%	1/4W	
R557	1-247-832-11	CARBON	1.1K	5%	1/4W	
R558	1-249-389-11	CARBON	4.7	5%	1/4W	
R585	1-249-415-11	CARBON	680	5%	1/4W	
R594	⚠1-212-950-00	FUSIBLE	4.7	5%	1/2W	F
R595	1-249-389-11	CARBON	4.7	5%	1/4W	
R598	1-247-832-11	CARBON	1.1K	5%	1/4W	
R599	1-247-832-11	CARBON	1.1K	5%	1/4W	
R601	1-249-421-11	CARBON	2.2K	5%	1/4W	
R602	1-249-421-11	CARBON	2.2K	5%	1/4W	
R603	1-249-421-11	CARBON	2.2K	5%	1/4W	
R605	1-249-417-11	CARBON	1K	5%	1/4W	
R616	1-249-421-11	CARBON	2.2K	5%	1/4W	
R617	1-249-421-11	CARBON	2.2K	5%	1/4W	

Ref.No.	Part No.	Description				
R618	1-249-409-11	CARBON	220	5%	1/4W	
R619	1-249-418-11	CARBON	1.2K	5%	1/4W	
R620	1-249-421-11	CARBON	2.2K	5%	1/4W	
R621	1-249-417-11	CARBON	1K	5%	1/4W	
R622	1-249-418-11	CARBON	1.2K	5%	1/4W	
R649	⚠1-217-469-00	FUSIBLE	1	5%	1W	F
R699	⚠1-217-469-00	FUSIBLE	1	5%	1W	F
R701	1-247-889-00	CARBON	270K	5%	1/4W	
R702	1-249-404-00	CARBON	82	5%	1/4W	
R703	1-247-882-11	CARBON	130K	5%	1/4W	
R704	1-249-426-11	CARBON	5.6K	5%	1/4W	
R705	1-249-423-11	CARBON	3.3K	5%	1/4W	
R706	1-249-430-11	CARBON	12K	5%	1/4W	
R707	1-249-431-11	CARBON	15K	5%	1/4W	
R708	1-247-887-00	CARBON	220K	5%	1/4W	
R711	1-247-850-11	CARBON	6.2K	5%	1/4W	
R712	1-249-429-11	CARBON	10K	5%	1/4W	
R713	1-249-431-11	CARBON	15K	5%	1/4W	
R714	1-215-460-00	METAL	43K	1%	1/6W	
R715	1-249-429-11	CARBON	10K	5%	1/4W	
R716	1-249-433-11	CARBON	22K	5%	1/4W	
R718	1-249-426-11	CARBON	5.6K	5%	1/4W	
R719	1-249-433-11	CARBON	22K	5%	1/4W	
R725	1-247-889-00	CARBON	270K	5%	1/4W	
R726	1-249-404-00	CARBON	82	5%	1/4W	
R727	1-247-882-11	CARBON	130K	5%	1/4W	
R728	1-249-426-11	CARBON	5.6K	5%	1/4W	
R730	1-247-826-00	CARBON	620	5%	1/4W	
R741	1-249-427-11	CARBON	6.8K	5%	1/4W	
R742	1-249-429-11	CARBON	10K	5%	1/4W	
R743	1-249-437-11	CARBON	47K	5%	1/4W	
R744	1-249-433-11	CARBON	22K	5%	1/4W	
R745	1-249-433-11	CARBON	22K	5%	1/4W	
R747	1-249-430-11	CARBON	12K	5%	1/4W	
R748	1-249-406-11	CARBON	120	5%	1/4W	
R751	1-247-889-00	CARBON	270K	5%	1/4W	
R752	1-249-404-00	CARBON	82	5%	1/4W	
R753	1-247-882-11	CARBON	130K	5%	1/4W	
R754	1-249-426-11	CARBON	5.6K	5%	1/4W	
R755	1-249-423-11	CARBON	3.3K	5%	1/4W	
R756	1-249-430-11	CARBON	12K	5%	1/4W	
R757	1-249-431-11	CARBON	15K	5%	1/4W	
R758	1-247-887-00	CARBON	220K	5%	1/4W	
R761	1-247-850-11	CARBON	6.2K	5%	1/4W	
R766	1-249-433-11	CARBON	22K	5%	1/4W	
R768	1-249-426-11	CARBON	5.6K	5%	1/4W	
R769	1-249-433-11	CARBON	22K	5%	1/4W	
R775	1-247-889-00	CARBON	270K	5%	1/4W	
R776	1-249-404-00	CARBON	82	5%	1/4W	
R777	1-247-882-11	CARBON	130K	5%	1/4W	
R778	1-249-426-11	CARBON	5.6K	5%	1/4W	
R780	1-247-826-00	CARBON	620	5%	1/4W	
R797	1-249-430-11	CARBON	12K	5%	1/4W	
R801	1-249-429-11	CARBON	10K	5%	1/4W	
R802	1-249-428-11	CARBON	8.2K	5%	1/4W	
R803	1-249-425-11	CARBON	4.7K	5%	1/4W	
R804	1-247-864-11	CARBON	24K	5%	1/4W	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
R805	1-249-437-11	CARBON	47K	5%	1/4W
R806	1-247-878-00	CARBON	91K	5%	1/4W
R807	1-249-437-11	CARBON	47K	5%	1/4W
R808	1-247-878-00	CARBON	91K	5%	1/4W
R809	1-249-437-11	CARBON	47K	5%	1/4W
R810	1-247-881-00	CARBON	120K	5%	1/4W
R811	1-249-437-11	CARBON	47K	5%	1/4W
R812	1-247-882-11	CARBON	130K	5%	1/4W
R813	1-249-440-11	CARBON	82K	5%	1/4W
R814	1-247-876-11	CARBON	75K	5%	1/4W
R815	1-247-878-00	CARBON	91K	5%	1/4W
R816	1-249-437-11	CARBON	47K	5%	1/4W
R817	1-249-438-11	CARBON	56K	5%	1/4W
R818	1-249-439-11	CARBON	68K	5%	1/4W
R819	1-249-436-11	CARBON	39K	5%	1/4W
R820	1-249-435-11	CARBON	33K	5%	1/4W
R821	1-249-437-11	CARBON	47K	5%	1/4W
R822	1-247-870-11	CARBON	43K	5%	1/4W
R823	1-249-435-11	CARBON	33K	5%	1/4W
R824	1-249-435-11	CARBON	33K	5%	1/4W
R825	1-249-437-11	CARBON	47K	5%	1/4W
R826	1-247-876-11	CARBON	75K	5%	1/4W
R827	1-247-868-11	CARBON	36K	5%	1/4W
R828	1-249-437-11	CARBON	47K	5%	1/4W
R829	1-249-437-11	CARBON	47K	5%	1/4W
R830	1-249-437-11	CARBON	47K	5%	1/4W
R831	1-249-389-11	CARBON	4.7	5%	1/4W
R832	1-249-427-11	CARBON	6.8K	5%	1/4W
R833	1-249-399-11	CARBON	33	5%	1/4W
R834	1-249-429-11	CARBON	10K	5%	1/4W
R835	1-249-417-11	CARBON	1K	5%	1/4W
R836	1-247-852-11	CARBON	7.5K	5%	1/4W
R837	1-249-400-11	CARBON	39	5%	1/4W
R838	1-249-437-11	CARBON	47K	5%	1/4W
R839	1-249-437-11	CARBON	47K	5%	1/4W
R840	1-249-437-11	CARBON	47K	5%	1/4W
R841	1-249-420-11	CARBON	1.8K	5%	1/4W
R842	1-249-408-11	CARBON	180	5%	1/4W
R843	1-249-437-11	CARBON	47K	5%	1/4W
R844	1-249-425-11	CARBON	4.7K	5%	1/4W
R845	1-249-416-11	CARBON	820	5%	1/4W
R846	1-249-437-11	CARBON	47K	5%	1/4W
R847	1-249-429-11	CARBON	10K	5%	1/4W
R848	1-249-437-11	CARBON	47K	5%	1/4W
R849	1-247-887-00	CARBON	220K	5%	1/4W
R850	1-249-435-11	CARBON	33K	5%	1/4W
R851	1-249-429-11	CARBON	10K	5%	1/4W
R852	1-249-428-11	CARBON	8.2K	5%	1/4W
R853	1-249-425-11	CARBON	4.7K	5%	1/4W
R891	1-249-420-11	CARBON	1.8K	5%	1/4W
R892	1-249-408-11	CARBON	180	5%	1/4W
RT71	1-228-995-00	RES, ADJ, CARBON 22K			
RT72	1-228-995-00	RES, ADJ, CARBON 22K			
RT701	1-228-994-00	RES, ADJ, CARBON 10K			
RT702	1-228-994-00	RES, ADJ, CARBON 10K			
RT751	1-228-994-00	RES, ADJ, CARBON 10K			
RT752	1-228-994-00	RES, ADJ, CARBON 10K			
RT801	1-228-994-00	RES, ADJ, CARBON 10K			

Ref.No.	Part No.	Description
RT802	1-228-997-00	RES, ADJ, CARBON 100K
RT803	1-228-991-00	RES, ADJ, CARBON 2.2K
RT804	1-228-990-00	RES, ADJ, CARBON 1K
RT851	1-228-994-00	RES, ADJ, CARBON 10K
RT852	1-228-997-00	RES, ADJ, CARBON 100K
RT853	1-228-991-00	RES, ADJ, CARBON 2.2K
RT854	1-228-990-00	RES, ADJ, CARBON 1K
RV1	1-228-994-00	RES, ADJ, CARBON 10K
RV401	1-237-986-11	RES, VAR, SLIDE 250K (100Hz)
RV402	1-237-986-11	RES, VAR, SLIDE 250K (330Hz)
RV403	1-237-986-11	RES, VAR, SLIDE 250K (1kHz)
RV404	1-237-986-11	RES, VAR, SLIDE 250K (3.3kHz)
RV405	1-237-986-11	RES, VAR, SLIDE 250K (10kHz)
RV406	1-237-987-11	RES, VAR, CARBON 100K/100K (VOLUME)
RV451	1-237-986-11	RES, VAR, SLIDE 250K (100Hz)
RV452	1-237-986-11	RES, VAR, SLIDE 250K (330Hz)
RV453	1-237-986-11	RES, VAR, SLIDE 250K (1kHz)
RV454	1-237-986-11	RES, VAR, SLIDE 250K (3.3kHz)
RV455	1-237-986-11	RES, VAR, SLIDE 250K (10kHz)
RY701	1-515-614-11	RELAY
S1	1-571-421-11	SWITCH, PUSH (3 KEY)(BAND SELECTOR)
S101	1-570-715-11	(DECK B)...SWITCH, LEAF (MOTOR,B+)
S102	1-570-716-11	(DECK B)...SWITCH, LEAF (FWD)
S103	1-571-260-11	(DECK B)...SWITCH, LEAF (REC)
S104	1-570-715-11	(DECK A)...SWITCH, LEAF (MOTOR,B+)
S105	1-570-716-11	(DECK A)...SWITCH, LEAF (FWD)
S106	4-895-068-01	SWITCH, LEAF (MOTOR B+)
S401	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S402	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S403	1-554-303-21	SWITCH, KEY BOARD (CD)
S404	1-554-303-21	SWITCH, KEY BOARD (TAPE)
S701	1-571-112-11	SWITCH, PUSH (1 KEY)(DOLBY NR)
S801	1-571-112-11	SWITCH, PUSH (1 KEY)(TAPE SELECT)
S802	1-571-112-11	SWITCH, PUSH (1 KEY)(DUBBING SPEED)
S901	⚠1-553-318-31	SWITCH, PUSH (AC POWER)(1 KEY)
T1	1-404-753-11	TRANSFORMER, IF
T2	1-235-126-00	ENCAPSULATED COMPONENT
T3	1-408-924-00	INDUCTOR 10MMH
T4	1-408-924-00	INDUCTOR 10MMH
T801	1-433-311-11	TRANSFORMER, BIAS OSCILLATION
TM1	*1-537-138-31	TERMINAL BOARD (ANT)
TM501	1-536-708-51	TERMINAL BOARD, PUSH 4P
TP1	*1-560-060-00	PIN, CONNECTOR 2P
TP2	*1-560-061-00	PIN, CONNECTOR 3P

ACCESSORY & PACKING MATERIAL

1-501-374-11	ANTENNA, LOOP
1-501-374-11	(Italian)...ANTENNA
3-769-857-43	MANUAL, INSTRUCTION
4-921-934-01	SHEET, PROTECTION
4-923-194-01	CUSHION
4-923-196-01	INDIVIDUAL CARTON
*4-924-028-01	PLATE, PROTECTION

English
88G1610-1
Printed in Japan
©1988.7
Published by A/V Engineering Service Dept.